



INVITATION TO BID NUMBER SEF-1527

RETURN THIS BID TO THE ISSUING OFFICE AT:

Department of Transportation and Public Facilities
 HQ State Equipment Fleet
 2200 E. 42nd Avenue
 Anchorage, AK 99507

THIS IS NOT AN ORDER

ITB TITLE: 56,000 GVWR TRUCK WITH AERIAL LIFT DATE ISSUED: 2/25/2010

BID OPENING: 3/30/2010

MANDATORY WORKSHOP: 3/11/2010

CONTRACTING OFFICER: Catherine Dwyer

SIGNATURE:

Catherine Dwyer

E-MAIL: Catherine.dwyer@alaska.gov

PHONE: (907) 269-0786

SEALED BIDS MUST BE SUBMITTED TO THE STATE EQUIPMENT FLEET PRIOR TO BID OPENING AT WHICH THEY WILL BE PUBLICLY OPENED.

IMPORTANT NOTICE: If you received this solicitation from the State's "Online Public Notice" web site, you must register with the Procurement Officer listed on this document to receive subsequent amendments. Failure to contact the Procurement Officer may result in the rejection of your offer.

BIDDER'S NOTICE: By signature on this form, the bidder certifies that:

- (1) the bidder has a valid Alaska business license, submits a bid under the name as appearing on the person's current Alaska business license and has written the license number below or has submitted one of the following forms of evidence of an Alaska business license with the bid:
 - a canceled check for the business license fee;
 - a copy of the business license application with a receipt date stamp from the State's business license office;
 - a receipt from the State's business license office for the license fee;
 - a copy of the bidder's valid business license;
 - a sworn notarized affidavit that the bidder has applied and paid for a business license;
- (2) the price(s) submitted was arrived at independently and without collusion and that the bidder is complying with:
 - the laws of the State of Alaska;
 - the applicable portion of the Federal Civil Rights Act of 1964;
 - the Equal Employment Opportunity Act and the regulations issued thereunder by the State and Federal Government;
 - all terms and conditions set out in this Invitation to Bid (ITB).

If a bidder fails to comply with (1) at the time designated in the ITB for opening the State will reject the bid. If a bidder fails to comply with (2) of this paragraph, the State may reject the bid, terminate the contract, or consider the contractor in default. Bids must be submitted under the name as appearing on the person's current Alaska business license in order to be considered responsive.

If a contract award is made by the State of Alaska, the undersigned offers and agrees to furnish materials, equipment and services in compliance with all terms and conditions specified in ITB/Contract. Submittal of this document with authorized signature constitutes full understanding and a promise to comply with all specifications, terms and conditions of ITB/Contract.

TO BE COMPLETED BY BIDDER:		
COMPANY SUBMITTING BID	ADDRESS	ALASKA BUSINESS LICENSE NO:
AUTHORIZED SIGNATURE	CITY, STATE, ZIP	DOES YOUR BUSINESS QUALIFY FOR THE ALASKA BIDDER'S PREFERENCE?
PRINTED NAME	PHONE/FAX	[] YES [] NO
DATE	E-MAIL ADDRESS	

SECTION I SPECIAL TERMS AND CONDITIONS

NOTE: This section will be used for Terms and Conditions that are "special" and/or unique to a particular ITB. The paragraphs in this section may change from bid to bid. Accordingly, bidders must review this section to insure compliance.

1.0 **CONTRACT INTENT:** This invitation to bid (ITB) is intended to result in:

- 1.1 Intent: the purchase of one each truck-mounted overcenter aerial lift.
- 1.2 Contract Period: 90 days from award of contract.
- 1.3 Location of Use: Palmer, Alaska.
- 1.4 Warranty locations: Anchorage, Alaska.
- 1.5 In addition to the State of Alaska requirements, the Municipality of Anchorage and other Alaska political subdivisions may cooperatively purchase from the resulting contract.
 - 1.5.1 At no time may the contractor change the terms and conditions, alter the price to another entity, which differs from the contractual price, nor charge undisclosed administrative fees to allow cooperative purchasing.

2.0 **DELIVERY:**

- 2.1 **Pre-delivery service:** Prior to delivery, each vehicle, piece of equipment or attachment shall be serviced and inspected by the dealer or his agent. Inspection must include the following (as applicable to the type of equipment):
 - 2.1.1 Dealer and vehicle identification.
 - 2.1.2 Check-off of service and inspection performed including a list of all fluids including type weight and specification that are in the equipment as delivered for all fluid compartments.
 - 2.1.3 The vehicle's crankcase, differential and transmission, and other fluid compartments shall be filled to the manufacturer's recommended capacity.
 - 2.1.4 Fuel tank shall be filled to at least register a minimum ¼ full on the fuel gauge, unless restricted by the commercial carrier, when the vehicle arrives at the delivery location.
 - 2.1.5 The vehicle shall be clean and free from defects when delivered and should be ready for immediate and continued use upon delivery.
 - 2.1.6 Units delivered in an incomplete state, or which have deficiencies per the specification, are subject to the damage charges as noted in paragraph 4.0 below.
- 2.2 **Delivery Receipt:**
 - 2.2.1 A delivery receipt will be required. The receipt must be filled out by the vendor, and acknowledged by state receiving personnel by signature and date of actual receipt of equipment. One copy of this delivery receipt is to be given to the state-receiving agency.
 - 2.2.2 Vendors are cautioned and advised that such delivery forms or other receiving type documents will not in any way be construed to mean the state has formally and fully accepted unit(s) referenced thereon as complete and meeting every specification set forth. Only the Contracting Officer or designee may sign warranty documentation.

3.0 **LINE SHEETS/BILL OF MATERIALS:**

- 3.1 It is required within 30 days after delivery that the successful bidder provides a comprehensive listing of all components used to assemble the unit.
- 3.2 This includes any components installed by the manufacturer or any subcontractor or the successful bidder.
- 3.3 Information will include at a minimum, when available, make, model serial number on items such as engines, transmissions, axles, tires, bodies, etc. The listings will be specific to each piece of equipment and will be provided on an individual CD for each unit delivered.

- 3.4 A minimum of two (2) CD's per unit are to be provided and marked with the make, model, and last main numbers of the units serial number or State PO number.

4.0 F.O.B. POINT:

- 4.1 The F.O.B. point is as listed in Section IV, Bid Schedule. Ownership of and title will remain with the contractor until delivery is complete to final destination and accepted by the State.
- 4.2 The cost of shipping and delivery for orders beyond the limits of Seattle/Tacoma dock will be handled as follows. The contractor will prepay the shipping and delivery charges to any destination named by the State in its order. The contractor will charge-back those shipping and delivery charges to the State as a separate line item on the State's invoice.
- 4.3 All shipping charges over \$100 must be documented by a copy of the actual shipping invoice and received with the invoice charge to the State.

5.0 DAMAGES FOR LATE DELIVERY AND NON-CONFORMING GOODS:

- 5.1 Time is of the essence in this contract. The Bidder is expected to deliver goods that conform in all material respects to the contract specifications on or before the date provided therein, as may be amended by written agreement of the parties.
- 5.2 In the event that the equipment is delivered late or does not conform to the contract specifications, the State shall be entitled to offset against the Contract Price, as liquidated damages and not as a penalty, an amount equal to the cost of renting like equipment, multiplied by the number of calendar days elapsing between the delivery date provided in the bid schedule and the delivery date to the State. In the case of a truck of this class, that daily rental fee is determined to be \$190.00. The number of days for which liquidated damages shall apply shall include, in the case of non-conforming goods, the time reasonably necessary for the State to perform inspection.
- 5.3 These liquidated damages represent a reasonable estimate of amounts necessary to compensate the State for loss of use of the goods during the period in which the goods would have been available to the State if conforming goods had been timely delivered.

6.0 WARRANTY:

- 6.1 **Standard Warranty Package:** Unless otherwise stipulated by this ITB, the successful bidder will provide a one-year (12-month) warranty.
 - 6.1.1.1 Full (100%) Parts and Labor Warranty Coverage of all components for 12 months (year one), from the date the unit is placed in service at the assigned location.
 - 6.1.1.2 Full (100%) Warranty Coverage includes all cost of labor, parts, freight, lubricants, miscellaneous cost, etc., to place the unit in like-new condition.
 - 6.1.2 Should the manufacturer's standard warranty exceed the minimum State warranty requirements, the manufacturer's warranty will run in conjunction with and enhance the State's warranty, then continue for the remainder of its term.
 - 6.1.3 For clarification, warranty does not apply to normal wear and tear or maintenance items, accident damages, misuse of equipment or failure to operate or maintain equipment as prescribed by vendor/manufacturer.
 - 6.1.4 Warranty on Attachments: Same as Standard Warranty Package.
 - 6.1.5 In-Service Date: Warranty on vehicles not placed in service immediately upon receipt because of time lag to construct body components and/or installation of special equipment, or due to seasonal usage or other delay, shall be warranted from the date the vehicle is placed in service. The receiving agency shall notify the vendor/manufacturer in writing of the actual "in service" date. Notification of the requirement for delayed warranty will be provided on delivery orders whenever possible.
- 6.2 **Warranty Claims:**
 - 6.2.1 Warranty will be provided at the unit's assigned (in-service) location. Because of the remote location of some equipment it is not always practical to deliver equipment to authorized warranty repair facilities. In these cases, the vendor may perform warranty work at the state's location or, the State of Alaska, at its discretion, reserves the right to perform the warranty work and be

reimbursed by the vendor. If travel is required by State personnel to perform the work, actual costs will be used for reimbursement.

- 6.2.2 The State of Alaska has established a warranty procedure whereby the vendor is to be notified via letter, email, or fax, that warranty work needs to be performed. If time is of the essence, a telephone call confirmed by one of the above written procedures may be utilized.
- 6.2.3 The vendor must notify the state within 24 hours of verbal or written notification that it will begin to perform the warranty work at the equipment location.
- 6.2.4 The State may, at its discretion, proceed to make warranty repairs with its own work force in the case of emergency situation or to preclude excessive downtime (greater than 24 hours). The State will require a PO to perform the warranty work.
- 6.2.5 Failure to notify the State that the vendor intends to begin to perform warranty is considered a contractual breach.
- 6.2.6 The vendor will be invoiced for required warranty work performed by the state. The shop rate to be charged for warranty work performed by the state will be \$88.00 per hour. Actual repair time will be used.

6.3 **Warranty Performed by Vendor:**

- 6.3.1 The State will reimburse travel costs not reimbursed by the manufacturer for travel to and from the bidder's closest warranty service center within the State of Alaska to the location of the equipment under warranty. Travel costs will be billed as follows
 - 6.3.1.1 Mileage Charge: Mileage will only be reimbursed for travel within Alaska at the rate allowable by the IRS.
 - 6.3.1.2 Meals are paid at actual and charges must be accompanied by receipts and are not to exceed the State authorized \$60.00 per day.
 - 6.3.1.3 Transportation, such as airfare, shall be reimbursed at actual and all charges are to be accompanied by a receipt/copy of the coach ticket.
 - 6.3.1.4 Lodging shall be reimbursed at actual and shall not exceed \$150.00 per night unless no other lodging is available. Requests for reimbursement must be accompanied by a receipt.
- 6.3.2 Travel will only be reimbursed for time in Alaska.
- 6.3.3 After hours, weekend and holiday travel must be approved by the contracting officer to be considered for reimbursement. The State will not pay for weather delays.

6.4 **Authorized Warranty Dealer (Contractor) and Subcontractor:**

- 6.4.1 The use of a subcontractor does not exclude any provisions as listed in this ITB, as requirements to the contractor.
- 6.4.2 Contractor must have the capability of providing warranty servicing and repair work within the State of Alaska with an authorized warranty repair facility in Anchorage, as a minimum.
- 6.4.3 The ultimate responsibility for warranty lies with the contractor (bidder).
- 6.4.4 The State reserves the right to inspect the warranty facility prior to issuing the Notice of Intent to Award a contract.

6.5 **Factory Recall:**

- 6.5.1 Nationwide factory recall or product update programs are the responsibility of the vendor and/or manufacturer. The State will attempt to bring affected equipment to an authorized repair facility. However, because of the remoteness of some equipment this is not always practicable or economical. In such cases, factory recall and modification work will be handled the same as warranty work. Factory recall notices sent to the state should, in addition to serial number, include model, year, and dealer.

7.0 REPAIR ORDERS AND DOCUMENTATION:

- 7.1 Any work performed by the contractor or approved subcontractor, whether warranty or any other work on a piece of equipment purchased under this ITB, will require a copy of the repair order, any invoices showing parts and commodities including oils and types used.

8.0 PUBLICATIONS:

- 8.1 Paper publications are to be received by the State of Alaska no later than 10 days after receipt of the unit. Custom manuals may be delivered no later than 90 days after receipt of the unit. Delivery will not be considered complete until the publications for each unit have been received by the State of Alaska. Note: Publications, when required, will be ordered on the same Purchase Order as the unit itself.

8.1.1 All paper manuals are to be pre-assembled in factory binders prior to delivery.

8.2 Service Manuals:

8.2.1 Complete set(s) to include applicable information covering prime unit and attachments:

8.2.2 Body, chassis, and electrical

8.2.3 Engine, transmission, and differential(s) (service and rebuild)

8.2.4 Electrical and vacuum troubleshooting

8.2.5 Wiring diagrams

8.2.6 Service specifications

8.2.7 Engine/emission diagnosis

8.3 Parts Manuals:

8.3.1 Complete set(s) including all updates. If updates are not provided during the warranty period, the State may order them from the manufacturer and bill the contractor for the full cost, including shipping.

8.3.2 Parts manuals are to be customized by serial number.

8.4 **Operator's Manuals:** Complete set(s) to include prime unit and attachments.

8.5 **Quantities:** As per Section IV – Bid Price Schedule.

8.6 **Manuals:** To be delivered to, and receipt signed by person(s) as noted on the Purchase Order.

8.7 **Service Bulletins, Etc.:** The successful bidder must provide appropriate service bulletins, technical support bulletins, service letters, product support bulletins, and/or any other information type notifications that are sent out to the vendor or used by the manufacturer in the maintenance and report of the vehicle, equipment or attachments being provided. The intent of this clause is that the State of Alaska be provided notification of any and all changes or improvements that may affect the maintenance, reliability, longevity, and safety of our equipment. This information will be provided as soon as possible to person(s) as noted on the Purchase Order.

9.0 **STATEMENT OF ORIGIN:** The bidder will be required to furnish a Manufacturer's Statement of Origin for Automotive or Non-Automotive rolling stock for each unit. All such documents shall be forwarded to:

DOT&PF, HQ State Equipment Fleet
2200 E. 42nd Avenue Room #311
Anchorage, Alaska 99508

10.0 **WEIGHT VERIFICATION SLIPS:** If required in the Bid Price Schedule, a weight scale ticket of the completed unit will be included with the Statement of Origin.

11.0 INSPECTIONS:

- 11.1 The State's inspection of all materials and equipment upon delivery is for the sole purpose of identification. Such inspection shall not be construed as final or as acceptance of the materials or equipment if materials or equipment do not conform to Contract requirements. If there are any apparent defects in the materials or equipment at the time of delivery, the State will promptly notify the Contractor thereof. Without limiting any other rights of the State, The State at its option, may require the Contractor to:

- 11.1.1 Repair or replace at Contractor's expense, any or all of the damaged goods,
- 11.1.2 refund the price of any or all of the damaged goods, or
- 11.1.3 accept the return of any or all of the damaged goods.
- 11.2 Costs of remedying all defects, indirect and consequential costs of correcting same, and/or removing or replacing any or all of the defective materials or equipment will be charged against the Bidder.

12.0 PRICE:

- 12.1 **Price Guarantee:** The Contractor is responsible to maintain prices under the contract firm for 90 days after bid opening. All price increases or decreases must remain firm for the following 90 days.
- 12.2 **NO RETROACTIVE PRICE INCREASES WILL BE ACCEPTED.**

13.0 MANUFACTURER'S REBATE (INCENTIVES): In any circumstance during or prior to completion of the contract, whereupon the State of Alaska becomes eligible to receive a rebate for any vehicle purchased under this contract, it shall be the BIDDER'S responsibility to inform the Contracting officer in writing and to advise the procedures for obtaining such rebates.

14.0 REPLACEMENT PARTS:

- 14.1 The State of Alaska shall expect the dealer or manufacturer to provide replacement wear parts at their authorized warranty facilities for the entire warranty period within seven (7) days of order. All other parts must be available within ten (10) working days.
- 14.2 Back order procedures: Back orders are acceptable; however, the ordering shop shall be appraised at time of original orders as to the expected delay in delivery.
- 14.3 Warranty: All products supplied by the contractor shall be warranted against defects in materials and workmanship for a minimum of 90 days, commencing at the time of installation as long as the installation is within 12 months of purchase. The cost of any defective product and the labor required to replace the defective product shall be the obligation of the contractor.
 - 14.3.1 If the manufacturer's warranty exceeds the stated warranty then manufacturer's warranty supersedes.
 - 14.3.2 Parts Return: Within 12 months of purchase, the State is to be allowed to return new, parts with full refund, less shipping charges.
 - 14.3.3 Invoicing: Full description of item is required on all invoices, packing lists and billings.

SECTION II STANDARD TERMS AND CONDITIONS

- 1.0 INVITATION TO BID (ITB) REVIEW:** Bidders shall carefully review this ITB for defects and questionable or objectionable material. Bidders' comments concerning defects and questionable or objectionable material in the ITB must be made in writing and received by the purchasing authority at least ten (10) days before the bid opening date. This will allow time for an amendment to be issued if one is required. It will also help prevent the opening of a defective bid, upon which award cannot be made, and the resultant exposure of bidders' prices. Bidders' original comments should be sent to the purchasing authority listed on the front of this ITB.
- 2.0 BID FORMS:** Bidders shall use this bid and attached forms when submitting bids. A photocopied bid may be submitted.
- 3.0 SUBMITTING BIDS:** Envelopes containing bids must be sealed, marked, and addressed as shown in the example below. Do not put the ITB number and opening date on the envelope of a request for bid information. Envelopes with ITB numbers annotated on the outside will not be opened until the scheduled bid opening.

Bidder's Return Address	STAMP
Department of Transportation & Public Facilities HQ State Equipment Fleet 2200 E. 42nd Avenue, Room #311 Anchorage, AK 99508	
Bid No.: SEF- _____ Opening Date: _____	

4.0 FORMAL WORKSHOP: (Attendance is Mandatory IF a workshop is scheduled)

The Formal Workshop (Pre-Bid) is to discuss with prospective bidders the "draft" Invitation to Bid (ITB). The formal workshop is the only opportunity for prospective bidders, manufacturers and other interested parties, in a conference setting, to discuss Standard Terms and Conditions, Special Terms and Conditions, Specifications, and to provide clarification as needed for this ITB. **All bidders (a representative from the bidding company) must attend in person or by teleconference in order to bid.**

Formal workshops are for information only. Any statements made at formal workshops will not be official until verified in the "final" ITB. Participation by teleconference may be possible by making arrangements with the SEF Contracting Office in advance.

- 5.0 TIMELINESS OF BID:** Sealed bids must be received and time-stamped by the Procurement Office prior to the time set for receipt of bids. Bids received after bid-closing time will not be considered. Bidders must ensure that their bid and any amendments requiring signature are delivered prior to the scheduled bid opening time. **LATE BIDS WILL NOT BE ACCEPTED.**
- 6.0 FILING A PROTEST:** A bidder may protest the award of a contract or the proposed award of a contract for supplies, services, or professional services. The protest must be filed in writing and include the following information: (1) the name, address, and telephone number of the protester; (2) the signature of the protester or the protester's representative; (3) identification of the contracting agency and the solicitation or contract at issue; (4) a detailed statement of the legal and factual grounds of the protest, including copies of relevant documents; and (5) the form of relief requested. Protests will be treated in accordance with Alaska Statutes (AS)36.30.560-36.30.610.
- 7.0 AUTHORITY:** This ITB is written in accordance with AS 36.30 and 2 AAC 12.
- 8.0 COMPLIANCE:** In the performance of a contract that results from this ITB, the contractor must comply with all applicable federal, state, and borough regulations, codes, and laws; and be liable for all required insurance, licenses, permits and bonds; and pay all applicable federal, state, and borough taxes.

- 9.0 SUITABLE MATERIALS, ETC.:** Unless otherwise specified, all materials, supplies or equipment offered by a bidder shall be new, unused, and of the latest edition, version, model or crop and of recent manufacture.
- 10.0 SPECIFICATIONS:** Unless otherwise specified in the ITB, product brand names or model numbers specified in this ITB are examples of the type and quality of product required, and are not statements of preference. If the specifications describing an item conflict with a brand name or model number describing the item, the specifications govern. Reference to brand name or number does not preclude an offer of a comparable or better product, if full specifications and descriptive literature are provided for the product. Failure to provide such specifications and descriptive literature may be cause for rejection of the offer.
- 11.0 FIRM OFFER:** For the purpose of award, offers made in accordance with this ITB must be good and firm for a period of ninety (90) days from the date of bid opening.
- 12.0 EXTENSION OF PRICES:** In case of error in the extension of prices in the bid, the unit prices will govern; in a lot bid, the lot prices will govern.
- 13.0 BID PREPARATION COSTS:** The State is not liable for any costs incurred by the bidder in bid preparation.
- 14.0 CONSOLIDATION OF AWARDS:** Due to high administrative costs associated with processing of purchase orders, a single low bid of \$50 or less may, at the discretion of the State, be awarded to the next low bidder receiving other awards for consolidation purposes. This paragraph is not subject to the protest terms enumerated in "INSTRUCTION TO BIDDERS", "FILING A PROTEST" above.
- 15.0 CONTRACT FUNDING:** Bidders are advised that funds are available for the initial purchase and/or the first term of the contract. Payment and performance obligations for succeeding purchases and/or additional terms of the contract are subject to the availability and appropriation of funds.
- 16.0 CONFLICT OF INTEREST:** An officer or employee of the State of Alaska may not seek to acquire, be a party to, or possess a financial interest in, this contract if (1) the officer or employee is an employee of the administrative unit that supervises the award of this contract; or (2) the officer or employee has the power to take or withhold official action so as to affect the award or execution of the contract.
- 17.0 ASSIGNMENT(S):** Assignment of rights, duties, or payments under a contract resulting from this ITB is not permitted unless authorized in writing by the State of Alaska, Department of Administration, Division of General Services. Bids that are conditioned upon the State's approval of an assignment will be rejected as nonresponsive.
- 18.0 SUBCONTRACTOR(S):** Within five (5) working days of notice, the apparent low bidder must submit a list of the subcontractors that will be used in the performance of the contract. The list must include the name of each subcontractor and the location of the place of business for each subcontractor and evidence of each subcontractor's valid Alaska business license. Subcontractors can only be changed per AS 36.30.115 (b).
- 19.0 FORCE MAJEURE:** (Impossibility to perform) The contractor is not liable for the consequences of any failure to perform, or default in performing, any of its obligations under this Agreement, if that failure or default is caused by any unforeseeable Force Majeure, beyond the control of, and without the fault or negligence of, the contractor. For the purposes of this Agreement, Force Majeure will mean war (whether declared or not); revolution; invasion; insurrection; riot; civil commotion; sabotage; military or usurped power; lightning; explosion; fire; storm; drought; flood; earthquake; epidemic; quarantine; strikes; acts or restraints of governmental authorities affecting the project or directly or indirectly prohibiting or restricting the furnishing or use of materials or labor required; inability to secure materials, machinery, equipment or labor because of priority, allocation or other regulations of any governmental authorities.
- 20.0 LATE BIDS:** Late bids are bids received after the time and date set for receipt of the bids. Late bids will not be accepted.
- 21.0 CONTRACT EXTENSION:** Unless otherwise provided in this ITB, the State and the successful bidder/contractor agree: (1) that any holding over of the contract excluding any exercised renewal options, will be considered as a month-to-month extension, and all other terms and conditions shall remain in full force and effect and (2) to provide written notice to the other party of the intent to cancel such month-to-month extension at least thirty (30) days

before the desired date of cancellation.

- 22.0 DEFAULT:** In case of default by the contractor, for any reason whatsoever, the State of Alaska may procure the goods or services from another source and hold the contractor responsible for any resulting excess cost and may seek other remedies under law or equity.
- 23.0 DISPUTES:** Any dispute arising out of this agreement shall be resolved under the laws of Alaska. Any appeal of an administrative order or any original action to enforce any provision of this agreement or to obtain any relief from or remedy in connection with this agreement may be brought only in the superior court for the State of Alaska.
- 24.0 CONSUMER ELECTRICAL PRODUCT:** AS 45.45.910 requires that "...a person may not sell, offer to sell, or otherwise transfer in the course of the person's business a consumer electrical product that is manufactured after August 14, 1990, unless the product is clearly marked as being listed by an approved third party certification program." Electrical consumer products manufactured before August 14, 1990, must either be clearly marked as being third party certified or be marked with a warning label that complies with AS 45.45.910(e). Even exempted electrical products must be marked with the warning label. By signature on this bid the bidder certifies that the product offered is in compliance with the law. A list of approved third party certifiers, warning labels and additional information is available from: Department of Labor and Workforce Development, Labor Standards & Safety Division, Mechanical Inspection Section, P.O. Box 107020, Anchorage, Alaska 99510-7020, (907)269-4925.
- 25.0 SEVERABILITY:** If any provision of the contract is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions will not be affected; and, the rights and obligations of the parties will be construed and enforced as if the contract did not contain the particular provision held to be invalid.
- 26.0 ORDER DOCUMENTS:** Except as specifically allowed under this ITB, an ordering agency will not sign any vendor contract. The State is not bound by a vendor contract signed by a person who is not specifically authorized to sign for the State under this ITB. The State of Alaska Purchase Order, Contract Award and Delivery Order are the only order documents that may be used to place orders against the contract(s) resulting from this ITB.
- 27.0 BILLING INSTRUCTIONS:** Invoices must be billed to the ordering agency's address shown on the individual Purchase Order, Contract Award or Delivery Order, not to the Division of General Services. The ordering agency will make payment after it receives the merchandise or service and the invoice. Questions concerning payment must be addressed to the ordering agency.
- 28.0 CONTINUING OBLIGATION OF CONTRACTOR:** Notwithstanding the expiration date of a contract resulting from this ITB, the contractor is obligated to fulfill its responsibilities until warranty, guarantee, maintenance and parts availability requirements have completely expired.
- 29.0 ALASKA BUSINESS LICENSE AND OTHER REQUIRED LICENSES:** At the time the bids are opened, all bidders must hold a valid Alaska business license and any necessary applicable professional licenses required by Alaska Statute. Bids must be submitted under the name as appearing on the person's current Alaska business license in order to be considered responsive. Bidders should contact the Department of Commerce, Community and Economic Development, Division of Corporations, Business, and Professional Licensing, P. O. Box 110806, Juneau, Alaska 99811-0806, for information on these licenses. Bidders must submit evidence of a valid Alaska business license with the bid.

You are not required to hold a valid Alaska business license at the time bids are opened if you possess one of the following licenses and are offering services or supplies under that specific line of business:

- fisheries business licenses issued by Alaska Department of Revenue or Alaska Department of Fish and Game,
- liquor licenses issued by Alaska Department of Revenue for alcohol sales only,
- insurance licenses issued by Alaska Department of Commerce, Community and Economic Development, Division of Insurance, or
- Mining licenses issued by Alaska Department of Revenue.

- 29.0 ALASKAN BIDDER'S PREFERENCE:** Award will be made to the lowest responsive and responsible bidder after an Alaskan bidder's preference of five percent (5%) has been applied. The preference will be given to a person who: (1) holds a current Alaska business license; (2) submits a bid for goods or services under the name on the Alaska business license; (3) has maintained a place of business within the state staffed by the bidder, or an employee of the bidder, for a period of six months immediately preceding the date of the bid; (4) is incorporated or

qualified to do business under the laws of the state, is a sole proprietorship and the proprietor is a resident of the state, is a limited liability company organized under AS 10.50 and all members are residents of the state, or is a partnership under AS 32.05 or AS 32.11 and all partners are residents of the state; and, (5) if a joint venture, is composed entirely of venturers that qualify under (1) - (4) of this subsection. AS 36.30.170(b).

- 30.0 USE OF LOCAL FOREST PRODUCTS:** In a project financed by state money in which the use of timber, lumber and manufactured lumber is required, only timber, lumber and manufactured lumber products originating in this state shall be used unless the use of those products has been determined to be impractical, in accordance with AS 36.15.010.
- 31.0 LOCAL AGRICULTURAL AND FISHERIES PRODUCTS PREFERENCE:** When agricultural, dairy, timber, lumber, or fisheries products are purchased using state money, only those products harvested in Alaska, or in the case of fisheries products harvested or processed within the jurisdiction of Alaska, will be purchased, provided they are available, of comparable quality, and priced no more than seven percent (7%) higher than products harvested outside the state, or in the case of fisheries products harvested or processed outside the jurisdiction of the state, in accordance with AS 36.15.050.
- 32.0 ALASKA PRODUCT PREFERENCE:** A bidder that designates the use of an Alaska Product which meets the requirements of the ITB specification and is designated as a Class I, Class II or Class III Alaska Product by the Department of Community & Economic Development shall receive a preference in the bid evaluation in accordance with AS 36.30.332 and 3 AAC 92.010.
- 33.0 EMPLOYMENT PROGRAM PREFERENCE:** If a bidder qualifies for the Alaskan bidder's preference, under AS 36.30.170(b), and is offering goods or services through an employment program, as defined under 36.30.990(10), and is the lowest responsive and responsible bidder with a bid that is no more than fifteen percent (15%) higher than the lowest bid, the procurement officer will make the award to that bidder, in accordance with AS 36.30.170(c) and 2 AAC 12.050.
- 34.0 ALASKANS WITH DISABILITIES PREFERENCE:** If a bidder qualifies for the Alaskan bidder's preference, under AS 36.30.170(b), is a qualifying entity as defined in AS 36.30.170(e) and (j), and is the lowest responsive and responsible bidder with a bid that is no more than ten percent (10%) higher than the lowest bid, the procurement officer will make the award to that bidder, in accordance with AS 36.30.170(e).
- 35.0 EMPLOYERS OF PEOPLE WITH DISABILITIES PREFERENCE:** If a bidder qualifies for the Alaskan bidder's preference, under AS 36.30.170(b), and, at the time the bid is submitted, employs a staff that is made up of fifty percent (50%) or more people with disabilities, as defined in AS 36.30.170(j), and submits a responsive and responsible bid that is no more than ten percent (10%) higher than the lowest responsive and responsible bid, the procurement officer will make the award to that bidder, in accordance with AS 36.30.170(f).
- 36.0 PREFERENCE QUALIFICATION LETTER:** Regarding preferences 5, 6, and 7 above, the Division of Vocational Rehabilitation in the Department of Labor and Workforce Development maintains lists of Alaskan; [1] employment programs that qualify for preference, [2] individuals who qualify for preference as Alaskan's with disabilities, and, [3] employers who qualify for preference as employers of people with disabilities. In accordance with AS 36.30.170(j), in order to qualify for one of these preferences, a bidder must add value by actually performing, controlling, managing, and supervising the services provided, or for supplies, a bidder must have sold supplies of the general nature solicited to other state agencies, governments, or the general public.
- 37.0** As evidence of an individual's or a business' right to a certain preference, the Division of Vocational Rehabilitation will issue a certification letter. To take advantage of the preferences 5, 6, or 7 above, an individual or business must be on the appropriate Division of Vocational Rehabilitation list, at the time the bid is opened, and must provide the procurement officer a copy of their certification letter. Bidders must attach a copy of their certification letter to their bid. The bidder's failure to provide the certification letter mentioned above, with their bid, will cause the State to disallow the preference.
- 38.0 METHOD OF AWARD:**
- 38.1 DOT/PF is required by law to award "to the lowest responsible and responsive bidder whose bid conforms in all MATERIAL respects to the requirements and criteria set out in the invitation to bid." AS 36.30.170.
- 38.2 All specifications in this ITB are important and bidders should carefully address each item. Deviation from a specification MAY result in rejection of a bid at the discretion of the Contracting Officer if the deviation is

material. A material deviation is one that is significantly different from an essential aspect of a specification.

- 38.3 The Contracting Officer may be justified in accepting a non-material deviation - it will be determined upon the facts, circumstances, and the proposal in the bid. If a bid deviation has a negligible effect on price, quality, performance, delivery or contract conditions, it is not material and may be waived or corrected by the Contracting Officer. The State reserves the right to waive minor informalities or technical defects, which are not material, when such waiver is in the best interest of the State.
- 38.4 Nothing in this section shall be construed as depriving the State of its discretion in the matter of determining the lowest responsible bidder.
- 38.5 A Notice of Intent to Award (ITA) will be issued for all solicitations in accordance with regulations. The notice of intent to award does not constitute a formal award of a contract. Formal award is achieved through execution of the "Offer and Contract Award" section of the Invitation to Bid.

39.0 BID FORMAT:

- 39.1 Bid submitted must contain, as a minimum:
 - 39.1.1 COVER PAGE
 - 39.1.2 BID PRICE SCHEDULE.
 - 39.1.3 ASTERISKED (*) ITEM PAGES ONLY (AND/OR) LETTER OF CLARIFICATION ADDRESSING ASTERISKED (*) ITEMS.
 - 39.1.4 All pertinent amendments.
- 39.2 Failure to return all of the pages listed above will cause your bid to be rejected.
- 39.3 Bids must conform to the requirements of the Invitation to Bid or Request for Proposal. All necessary attachments (bid bonds, references, descriptive literature, etc.) must be submitted with the bid and in the required format. Failure to comply with all requirements shall result in a non-responsive bid.
- 39.4 Faxed or e-mail transmitted bids ARE NOT ACCEPTED.

40.0 SIGNATURE ON BID: AN OFFICIAL OF THE BIDDING ORGANIZATION authorized to bind the bidder to its provisions MUST SIGN THE BID IN INK. Signature certifies that the bidder has read and fully understands and agrees to all bid specifications, terms and conditions.

41.0 PRODUCT LITERATURE:

- 41.1 **ANNOTATED LITERATURE:** Bidders must annotate their product literature to identify for the State the location of the supporting information regarding each product specification set out in this ITB. A bidder's failure to comply with this clause, within the time set by the State, will cause the State to consider the offer non-responsive and reject the bid.
- 41.2 Product brochures, descriptive literature and other supporting documentation may be required in some solicitations. Descriptive literature is for the purpose of providing a reference to the product offered. While it is not practicable to require documentation to support every single item of a specification, it is sometimes necessary to require the bidder to provide product literature that will help the Contracting officer to determine the bidder's compliance with important specifications.
- 41.3 Requirements for product literature will vary from bid to bid. Certain specification items may be marked with an asterisk (*) indicating that descriptive literature or supporting documentation (such as a letter of clarification) will be required.
- 41.4 When product literature is required by the ITB, please provide a minimum of one (1) complete set to aid in bid review and evaluation.
- 41.5 Failure to provide product literature or brochures when required WILL result in your bid being deemed non-responsive.
- 41.6 A bidder's signature on the contract offer and award is taken as a promise to comply with the ITB specifications. In case of a difference between the literature and the specifications, the specifications will govern.
- 41.7 The State does not honor disclaimer statements often evident in manufacturer's published specification sheets or brochures. Such disclaimers will not release the successful bidder from providing the specified

item, at the time of acceptance by the State.

42.0 CLARIFICATION OF OFFER:

- 42.1 A letter of clarification is required to explain any deviations from terms, conditions, or specifications of this ITB. Offers exceeding ITB specifications are regarded as deviations and should be clarified.
- 42.2 In order to prevent technical errors, following each asterisked is space that shall be used to address all of the asterisked items. It is **mandatory** that a letter of clarification or the space behind the asterisked items be used to supply the required information.
- 42.3 When using a letter of clarification, or the space provided within the ITB, to address an asterisked (*) item, the statement must indicate specifically what is being provided. Do not include statements such as "Complies to Spec", or "Meets or Exceeds Specifications". This will be considered a non-responsive response.
- 42.4 Letters of Clarification are to be on company (Bidder's) letterhead and be signed. The only information in the Letters of Clarification should be the explanation(s) of deviation(s) and/or responses to asterisked (*) items. Asterisked (*) item explanations should refer to that particular specification item number.
- 42.5 Letters of disclosure and clarification must be made part of the sealed bid.

43.0 PRODUCT IDENTIFICATION: Bidders must clearly identify all products bid. Brand name and model or number must be shown for the prime unit as well as attachments where applicable. The State reserves the right to reject any bid when the product information submitted with the bid is incomplete and/or is not easily ascertainable from the bid documents or through independent verification.

44.0 PRODUCT EQUIVALENT SUBSTITUTION: Bidders may submit bids for substantially equivalent products unless the Invitation to Bid provides that a specific brand is necessary because of compatibility requirements. In those instances where the ITB specifies "a name brand or State approved equivalent", bidders must request approval of a product equivalent substitution NO LATER THAN the formal workshop meeting. A written response will be provided by the Contracting Officer. Any requests for product equivalent substitution after the Formal Workshop Meeting, in all likelihood, will not be considered.

45.0 BRAND AND MODEL OFFERED: Unless otherwise specified, when brand names and model numbers are used to specify the type and quality of the goods desired, bidders must clearly indicate the brand names and model numbers they intend to provide. The bidder's failure to identify the brand and model offered will cause the State to consider the offer non-responsive and reject the bid.

46.0 BID MODIFICATION:

- 46.1 Modifications or erasures made before bid submission should be initialed in ink by the person signing the bid. A bid may be rejected if it contains a material alteration or erasure, which is not initialed by the signer of the bid and the intent of the bidder, is not reasonably ascertainable from the bid as submitted.
- 46.2 Bids, once submitted, may be modified in writing before the time and date set for bid opening. Any modifications shall be prepared on company letterhead, signed by an authorized representative, and state that the new document supersedes or modifies the prior bid. Modification must be submitted in a sealed envelope clearly marked "Bid Modification" and identifying the bid number and closing date and time. Bidders may not modify bids after bid opening time.

47.0 BID WITHDRAWALS: Bids may be withdrawn in writing on company letterhead signed by an authorized representative and received by the Procurement Office prior to bid closing time. Bids may also be withdrawn in person before bid opening time upon presentation of appropriate identification.

48.0 NON-RESPONSIVE BIDS:

- 48.1 Bids will be considered non-responsive and shall be rejected for the following:
 - 48.1.1 Failure to sign the bid.
 - 48.1.2 Failure to return all pages of the bid document and any/all pertinent amendments.
 - 48.1.3 Failure to submit the bid at the place and time required in the solicitation.
 - 48.1.4 Failure to have a valid Alaska Business License at the time of bid opening.
 - 48.1.5 Failure to acknowledge amendments requiring signature.
 - 48.1.6 Failure to provide product literature, brochures, or a letter of clarification, when specifically

required by the Invitation to Bid.

- 48.1.7 Bids which specify "Offered Delivery Time" in excess of "Required Delivery" number of calendar days after the receipt of an order.

49.0 CERTIFICATION OF COMPLIANCE WITH AMERICAN'S WITH DISABILITIES ACT OF 1990:

- 49.1 By signature of their bid/proposal the bidder/proposer certifies that they comply with the American's with Disabilities Act of 1990 and the regulations issued there under by the federal government.
- 49.2 Services or activities furnished to the general public on behalf of the State must be fully accessible. This is intended to ensure that agencies are in accordance with 28 CFR Part 35 Section 35.130 and that services, programs or activities furnished to the public through a contract do not subject qualified individuals with a disability to discrimination based on the disability.

50.0 ACCESSORIES: When accessories are supplied, they must be certified to be compatible with the rest of the equipment. Certification will be written evidence satisfactory to the State that the accessories are compatible. The bidder's failure to supply this evidence within the time required by the State will cause the State to consider the bid non-responsive and reject the bid.

51.0 ALTERATIONS: The contractor must obtain the written approval from the contracting officer prior to making any alterations to the specifications contained in this ITB. The State will not pay for alterations that are not approved in advance and in writing by the contracting officer.

52.0 AMENDMENTS: Contract terms shall not be waived, altered, modified, supplemented or amended without prior written approval of the Contracting officer.

53.0 ASSIGNMENT: A bidder may not assign any portion of a contract unless authorized in advance and in writing by the Contracting officer.

54.0 AUTHORITY: This solicitation is written in accordance with Alaska statutes AS 36.30 and 2 AAC 12.

55.0 BID PREPARATION COSTS: The State is not responsible for any costs incurred by the bidder in preparation of his bid.

56.0 COMPLIANCE WITH ALL GOVERNMENT REGULATIONS: The bidder must comply with all applicable federal, state, and borough regulations, codes, and laws, and pay all applicable federal, state, and borough taxes, and is liable for all required insurance, licenses, permits, and bonds. Failure to comply with such requirements shall constitute a breach of contract and shall be grounds for contract cancellation. Damages or costs resulting from noncompliance shall be the sole responsibility of the bidder.

57.0 CONFLICT OF INTEREST: A person employed by the State of Alaska may not seek to acquire, be a party to, or possess a financial interest in, this contract if they are an employee of the administrative unit that supervises the award of this contract or they have the power to take or withhold official action to affect the contract.

58.0 DEFAULT: In case of bidder default, the State may procure the goods or services from another source and hold the bidder responsible for any resulting excess costs and may seek other remedies under law or equity. Alaska Statutes and Regulations provide for suspension and disbarment of non-responsible bidders.

59.0 DELIVERY: All deliveries shall be F.O.B. final destination point with all transportation and handling charges paid by bidder. Responsibility and liability for loss or damage shall remain with bidder until final inspection and acceptance when responsibility shall pass to the State except as to latent defects, fraud and bidder's warranty obligations.

60.0 DISCONTINUED ITEMS: In the event an item is discontinued by the manufacturer during the life of the contract, another item may be substituted, provided that the contracting officer makes a written determination that it is equal or better than the discontinued item and provided that it is sold at the same price or less than the discontinued item.

61.0 DISPUTES: Any disputes arising out of this solicitation shall be resolved under the laws of Alaska. An appeal or any original action to enforce any provision of this agreement must be in the superior court for the First Judicial District of Alaska.

62.0 FIRM, UNQUALIFIED AND UNCONDITIONAL OFFER: Bidders must provide enough information with their bid to constitute a definite, firm, unqualified and unconditional offer. To be responsive a bid must constitute a definite, firm, unqualified and unconditional offer to meet all of the material terms of the ITB. Material terms are those, which could affect price, quantity, quality, or delivery. Also included, as material terms are those, which are clearly identified in the ITB and which, for reasons of policy, must be complied with at risk of bid rejection for non-responsiveness.

63.0 FORCE MAJEURE (Impossibility to perform): Neither party to this contract shall be held responsible for delay or default caused by acts of God and/or war, which is beyond that party's reasonable control. The State may terminate this contract upon written notice after determining such delay or default will reasonably prevent successful performance of the contract.

64.0 HUMAN TRAFFICKING:

64.1 By signature on this contract, the offeror certifies that:

64.1.1 the offeror is not established and headquartered or incorporated and headquartered, in a country recognized as Tier 3 in the most recent United States Department of State's Trafficking in Persons Report; or

64.2 The most recent United States Department of State's Trafficking in Persons Report can be found at the following website: www.state.gov/g/tip/

64.3 Failure to comply with this requirement will cause the state to reject the bid or proposal as non-responsive, or cancel the contract.

64.4 This pertains to goods and services above \$50,000.00.

65.0 INDEMNIFICATION: The Contractor shall indemnify, hold harmless, and defend the contracting agency from and against any claim of, or liability for error, omission or negligent act of the Contractor under this agreement. The Contractor shall not be required to indemnify the contracting agency for a claim of, or liability for, the independent negligence of the contracting agency. If there is a claim of, or liability for, the joint negligent error or omission of the Contractor and the independent negligence of the Contracting agency, the indemnification and hold harmless obligation shall be apportioned on a comparative fault basis. "Contractor" and "Contracting agency", as used within this and the following article, include the employees, agents and other contractors who are directly responsible, respectively, to each. The term "independent negligence" is negligence other than in the Contracting agency's selection, administration, monitoring, or controlling of the Contractor and in approving or accepting the Contractor's work.

66.0 INSPECTIONS: Goods furnished under this contract are subject to inspection and test by the State at times and places determined by the State. If the State finds goods furnished to be incomplete or not in compliance with bid specifications, the State may reject the goods and require bidder to either correct them without charge or deliver them at a reduced price, which is equitable under the circumstances. If bidder is unable or refuses to correct such goods within a time deemed reasonable by the State, the State may cancel the order in whole or in part. Nothing in this paragraph shall adversely affect the State's rights as buyer, including all remedies and rights granted by Alaska statutes.

67.0 INSURANCE:

67.1 Without limiting Contractor's indemnification, it is agreed that Contractor shall purchase at its own expense and maintain in force at all times during the performance of services under this agreement the following policies of insurance. Where specific limits are shown, it is understood that they shall be the minimum acceptable limits. If the Contractor's policy contains higher limits, the state shall be entitled to coverage to the extent of such higher limits. Certificates of Insurance must be furnished to the Contracting Officer prior to beginning work and must provide for a 30-day prior notice of cancellation, nonrenewal or material change of conditions. Failure to furnish satisfactory evidence of insurance or lapse of the policy is a material breach of this contract and shall be grounds for termination of the Contractor's services. All insurance policies shall comply with, and be issued by insurers licensed to transact the business of insurance under AS 21.

67.2 Proof of insurance is required for the following:

67.2.1 Workers' Compensation Insurance: The Contractor shall provide and maintain, for all employees engaged in work under this contract, coverage as required by AS 23.30.045, and; where applicable, any other statutory obligations including but not limited to Federal U.S.L. & H. and Jones Act requirements. The policy must waive subrogation against the State.

67.2.2 Commercial General Liability Insurance: covering all business premises and operations used by the Contractor in the performance of services under this agreement with minimum coverage limits of \$300,000 combined single limit per occurrence.

67.2.3 Commercial Automobile Liability Insurance: covering all vehicles used by the Contractor in the performance of services under this agreement with minimum coverage limits of \$300,000 combined single limit per occurrence.

- 67.3 Failure to supply satisfactory proof of insurance within the time required will cause the State to declare the bidder nonresponsive and to reject the bid.
- 68.0 ITEM UPGRADES:** The State reserves the right to accept upgrades to models on the basic contract when the upgrades improve the way the equipment operates or improve the accuracy of the equipment. Such upgraded items must be at the same price as the items in the basic contract.
- 69.0 NEW EQUIPMENT:** Equipment offered in response to this ITB must be new equipment. New equipment means equipment that is currently in production by the manufacturer and is still the latest model, edition or version generally offered. The equipment must be warranted as new by the manufacturer and may not have been used for any purpose, other than display (not demonstration), prior to its sale to the State. The State will not accept remanufactured, used or reconditioned equipment, including used or reconditioned components or parts of. It is the contractor's responsibility to ensure that each piece of equipment delivered to the State complies with this requirement. A contract's failure to comply with this requirement will cause the State to seek remedies under breach of contract.
- 70.0 PAYMENT:** Payment for agreements under \$500,000 for the undisputed purchase of goods or services provided to a State agency will be made within 30 days of the receipt of a proper billing or the delivery of the goods or services to the location(s) specified in the agreement, whichever is later. A late payment is subject to 1.5% interest per month on the unpaid balance. Interest will not be paid if there is a dispute or if there is an agreement, which establishes a lower interest rate or precludes the charging of interest.
- 71.0 PRICE EXTENSION:** In case of error in the extension of prices in the bid, the unit prices will govern.
- 72.0 PRICES:** The bidder shall state prices according to the requirements of this ITB. Prices quoted for commodities or services must be in U.S. funds and include applicable federal duty, brokerage fees, packaging, and transportation cost to the FOB point so that upon transfer of title the commodity or service can be utilized without further cost.
- 73.0 PROTESTS:** A bidder may protest the Intent to Award a contract pursuant to this Invitation to Bid in accordance with provisions in Alaska Statute AS 36.30.560. The protest must be filed in writing within ten (10) days of the notice of Intent to Award, and must include the following information: (1) the name, address, and telephone number of the protester; (2) the signature of the protester or the protester's representative; (3) identification of the contracting agency and the solicitation or contract at issue; (4) a detailed statement of the legal and factual grounds of the protest, including copies of relevant documents; and (5) the form of relief requested. Protests must be filed with: Contracting officer, State Equipment Fleet Purchasing, 2200 East 42nd Ave, Room #311, Anchorage, AK 99508. Protests and any subsequent appeal will be processed per AS 36.30.
- 74.0 QUANTITIES:** The State reserves the right to reduce or increase the quantity of items ordered under any contract resulting from this Invitation to Bid.
- 75.0 REJECTION OF BIDS:** All bids or proposals may be rejected prior to award for the following reasons:
- 75.1 the supplies or services being procured are no longer required;
 - 75.2 ambiguous or otherwise inadequate specifications were part of the solicitation;
 - 75.3 the solicitation did not provide for consideration of all factors of significance to the State;
 - 75.4 prices exceed available money and it would not be appropriate to adjust quantities to accommodate available money;
 - 75.5 all otherwise acceptable bids or proposals received are at unacceptable prices;
 - 75.6 there is reason to believe that the bids or proposals may not have been independently arrived at in open competition, may have been collusive, or may have been submitted in bad faith; or
 - 75.7 the award is not in the best interests of the State.
- 76.0 SEVERABILITY:** If any provision of this contract is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected.
- 77.0 SHIPPING DAMAGE:** The State will not accept or pay for damaged goods. The contractor must file all claims against the carrier(s) for damages incurred to items in transit from the point of origin to the ultimate destination. The State will provide the contractor with written notice when damaged goods are received.
- 78.0 SIGNATURE ON BID: BIDS MUST BE SIGNED IN INK BY AN OFFICIAL OF THE BIDDING ORGANIZATION** authorized to bind the bidder to its provisions. Signature certifies, under penalty of perjury under the laws of the United States, that the price(s) submitted was/were independently arrived at without collusion, and that neither bidder nor bidder's firm, association or corporation of which bidder is a member, has either directly or indirectly,

entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this bid per 2AAC12.800.

- 79.0 STANDARD AND SPECIAL TERMS AND CONDITIONS:** The terms and conditions of this section are standard to State of Alaska, Department of Transportation and Public Facilities, Statewide Equipment Fleet contracts for the purchase of goods. There may also be other special terms and conditions in an Invitation to Bid or Request for Proposal which apply only to this contract. In the event of a conflict between the standard and special terms and conditions, the Special Terms and Conditions take precedence.
- 80.0 SUCCESSORS IN INTEREST:** This contract shall be binding upon successors and assigns.
- 81.0 SUITABLE MATERIALS:** All materials, supplies or equipment offered by a bidder shall be new, unused, of recent manufacture, and suitable for the manufacturer's intended purpose unless the specifications allow for used, rebuilt or remanufactured equipment.
- 82.0 SUPPORTING INFORMATION:**
- 82.1 The State strongly desires that bidders submit all required technical, specification, and other supporting information with their bid, so that a detailed analysis and determination can be made, by the contracting officer that the product offered meets the ITB specifications and that other requirements of the ITB have been met. However, provided a bid meets the requirements for a definite, firm, unqualified, and unconditional offer, the State reserves the right to request supplemental information from the bidder, after the bids have been opened, to ensure that the products offered completely meet the ITB requirements. The requirement for such supplemental information will be at the reasonable discretion of the State and may include the requirement that a bidder will provide a sample product(s) so that the State can make a first-hand examination and determination.
- 82.2 A bidder's failure to provide this supplemental information or the product sample(s), within the time set by the State, will cause the State to consider the offer non-responsive and reject the bid.
- 83.0 TAXES:** Prices quoted in bids must be exclusive of federal, state, and local taxes. If the bidder believes that certain taxes are payable by the State, the bidder may list such taxes separately, directly below the bid price for the affected item. The State is exempt from Federal Excise Tax because articles purchased are for the exclusive use of the State of Alaska.
- 84.0 USE OF BRAND OR TRADE NAMES:** Brand or trade names used by the State in bid specifications are for the purpose of describing and establishing the standard of quality, performance and characteristics desired and are not a statement of preference nor are they intended to limit or restrict competition. Bidders may submit bids for substantially equivalent products to those designated unless the Invitation to Bid provides that a specific brand is necessary because of compatibility requirements. All such brand substitutions shall be subject to the State's approval.
- 85.0 WARRANTY:** Unless otherwise stated, all equipment shall be new and current model and shall carry full factory warranties. Bidder warrants all goods delivered to be free from defects in labor, material and manufacture and to be in compliance with bid specifications. All implied or expressed warranty provisions of the Uniform Commercial Code apply. All warranties shall be for and benefit the State
- 86.0 BRAND NAME SPECIFICATION:** For purposes of this ITB, certain vehicle accessories are specifically identified by brand name and model/part number. Only the listed brand name and model/part numbers are acceptable. Substitutes shall be not allowed.
- 87.0 ADDITIONS OR DELETIONS:** The State reserves the right to add or delete items, agencies or locations as determined to be in the best interest of the State. Added items, agencies or locations will be related to those on contract and will not represent a significant increase or decrease in size or scope of the contract. Such additions or deletions will be documented via mutual agreement, will be at prices consistent with the original bid price margins, and will be evidenced by issuance of a written contract change notice from the Contracting officer.
- 88.0 CONTRACT ADMINISTRATION:** The administration of this contract, including any/all changes, is the responsibility of the Contracting Officer, HQ State Equipment Fleet.
- 89.0 PROPRIETARY INFORMATION AND STATEMENTS OF CONFIDENTIALITY:**
- 89.1 Except as set forth in this provision, all information in all bids will be made public under AS 36.30.530 not later than the time of issuance of a notice of intent to award.
- 89.2 If the offeror submits information considered by it to constitute a trade secret or proprietary data, such information may be expressly designated as such, and must be accompanied by the offeror's certification

that (1) the information has consistently been maintained by its owner as a trade secret or as proprietary information, (2) the owner of the information has taken due care to protect it from release to non-privileged persons, and (3) to the best knowledge of the offeror, the information has not lost its status as trade secret or proprietary information, whether by lack of diligent protection, release to any non-privileged person or otherwise.

- 89.3 **Absence of such certification, any claim of confidentiality will be ignored, and the bidder may not hold any reasonable expectation of confidentiality.**
- 89.4 Any information so certified will be held confidential so long as the contracting officer concurs that it constitutes a trade secret or proprietary data, and deems it not critical to determination of the price, quantity, or delivery terms bid, or the responsiveness of the bid.
- 89.5 By submission of a bid, the offeror consents to the contracting officer's exercise of reasonable judgment as to concurrence with any assertion of confidentiality, and waives any and all claims for release of information that the contracting officer reasonably deems not confidential notwithstanding a certified assertion of confidentiality.
- 90.0 A certified assertion of confidentiality in which the contracting officer concurs, with respect to information the contracting officer deems critical to determination of the price, quantity, or delivery terms bid, or the responsiveness of the bid, will cause the bid to be rejected as a non-responsive bid.

SECTION III - SPECIFICATIONS

6x4 56,000 GVWR Truck with
Mounted Overcenter Aerial Lift**GENERAL SPECIFICATION:**

It is the purpose of this specification to describe a new, and of the manufacturer's latest current model and design, 6x4, 56,000 pound minimum GVWR, with platform/line body and truck mounted overcenter aerial lift with a telescopic type lift providing a minimum height of 55 feet from ground to inside floor of bucket when the bucket is positioned a minimum of 24 feet from the centerline of rotation.

To include all standard equipment and accessories as advertised in manufacturer's specification sheet of models offered, unless otherwise specified herein.

APPLICATION:

Unit will be used on a year-round basis. Unit will be subject to varying terrain with elevations from 5,000 foot to sea level and weather conditions with temperature ranges of plus 100 to minus 50 degrees Fahrenheit.

DOCUMENTATION REQUIRED:

A basic manufacturer's product brochure describing the units being bid is to be provided.

In addition, specifications marked with an asterisk (*) require supporting documentation in the form of the product brochure, manufacturer's technical data sheet, or a letter of clarification, which must indicate specifically what the bidder intends to supply in regard to said items, and/or how the specifications will be met.

ACCEPTABLE MANUFACTURERS:

ALTEC, TEREX, or VERSALIFT. Provided all specifications are met.

1.0 POWER TRAIN:

1.1 Engine:

- 1.1.1 (*) Diesel, 6 or 8 cylinder, 12.8 liter displacement, 4 cycle, liquid cooled, developing 350 SAE brake horsepower, with 1350 SAE pound foot peak torque, minimum. *CATERPILLAR*, *CUMMINS*, *DETROIT DIESEL*, *INTERNATIONAL*, *MERCEDES*, or State approved equivalent.

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- 1.1.2 Air compressor, 12.0 CFM minimum.

- 1.1.3 Dash mounted speed control, vernier or electronic cruise control type (to allow for engine warm up to 1400 RPM).

- 1.1.4 Engine Exhaust Brake to be *JACOBS* engine brake ("Jake Brake") or *CUMMINS* Interbrake. To include dash mounted "ON/OFF" and three (3) position switches. A *CATERPILLAR* Model 229-2618 brake is acceptable. A *PACBRAKE* Model P-63 Engine Brake for the Detroit Diesel Series 60 is acceptable. A *MACK* Power Leash is acceptable. A *MERCEDES BENZ* engine brake is acceptable. An *INTERNATIONAL* engine brake is acceptable.

- 1.1.5 To be compatible with transmission supplied.

1.2 Air Intake System:

- 1.2.1 Air Cleaner: Dry element type, heavy duty.

- 1.2.2 Air intake piping to be underhood.

- 1.2.3 Air filter restriction indicator, dash mounted.

1.3 Exhaust System:

- 1.3.1 Regulations may include more than one (1) type of muffler if necessary.
- 1.3.2 Muffler(s): Heavy-duty type, mounted horizontal or vertical.
- 1.3.3 Exhaust extending above roof of cab with curved outlet.
- 1.3.4 To be caged, to protect operator from burns. Cage to be stainless steel or be chrome plated.
- 1.3.5 Shock mounted to protect against damage from vibration, if cab mounted.
- 1.3.6 Designed so vision is not impaired out of exterior rear view mirrors.
- 1.3.7 All connections to be dual clamped, *DONALDSON* "Seaclamps", or *DONALDSON* "Band" type or *TORCA*.

1.4 Cooling System:

- 1.4.1 To include sight glass for easy viewing from ground with hood in up position (sight glass may be located on expansion tank).
- 1.4.2 Front of radiator to be properly guarded against rocks by including any factory optional grill or grill screen cloth available. In addition, a bug screen is to be included behind the grill.
- 1.4.3 Cooling system mounting and tank bottom configuration to be compatible and so designed as to not interfere with hydraulic pump installation.
 - 1.4.3.1 Refer to "Hydraulics" section later in this specification.
- 1.4.4 Coolant to be permanent type antifreeze, affording protection to minus 60 degrees Fahrenheit. To be *DELO* extended life coolant (red), or compatible.
- 1.4.5 To include spin-on type coolant filter, if required, with shut-off valves to prevent excessive loss of coolant when changing of filter.
- 1.4.6 Winterfront: Heavy-duty canvas/vinyl construction, snap-on type, with center zipper.
- 1.4.7 Drain cock(s) (a drain plug is acceptable) to be provided for the low point(s) of cooling system for maximum drainage while unit is on level ground.
- 1.4.8 Engine coolant hoses, including heater hoses, to be *GATES* Greenstripe or *GATES* Bluestripe or *GATES* Fleetrite.
- 1.4.9 Clamps utilized on all pressurized coolant and heater hoses, one (1) inch inside diameter or larger are to be "Constant Torque" design, stainless steel. Some engine manufacturers may not allow changing of all clamps due to warranty. *GATES* Shrink-Band is acceptable in lieu of above.
- 1.4.10 Cooling system mounting and tank bottom configuration to be compatible and so designed as to not interfere with hydraulic pump installation.

1.5 Fuel System:

- 1.5.1 Fuel filter(s) to be spin-on or cartridge type.
- 1.5.2 Fuel filter(s) to be located in engine compartment with braided fuel lines to pump.
- 1.5.3 To include heated fuel/water separator.

1.6 Oil Filtration: To be spin-on or cartridge type and easily accessible.

1.7 Starting Aids:

- 1.7.1 Glow plug system or automatic electronic single shot canister type. Ether single shot system

to be *KBI* Dieselmatic.

1.7.1.1 If automatic ether system, to include an engine safety sensor switch.

1.7.1.2 If automatic ether system, to be installed in engine compartment and to have maximum protection from the elements.

1.7.2 Engine Block Heater:

1.7.2.1 Immersion type, 110 volt AC, of highest wattage as provided by OEM engine manufacturer.

1.7.2.2 Plug with wire to able to hang over the front bumper by approximately 12 inches. To be secured for delivery.

2.0 DRIVE TRAIN:

2.1 Configuration: 6x4.

2.2 Transmission:

2.2.1 (*) *ALLISON* 4000 RDS series, 6-speed, automatic.

2.2.2 To include automatic neutral function.

2.2.3 To include the oil level sensor option.

2.2.4 To be compatible with engine.

2.2.5 To include *ALLISON* lever type shift selector.

2.2.6 PTO to be hot shift type. To utilize air compressor system.

2.3 Drive Lines:

2.3.1 1810 series heavy wall universal joints on drive lines.

2.3.2 1710 or 1760 series joints on inter-axle drive line.

2.3.3 Drive line yokes to be 1/2-round (if available) on the drive shafts and interaxle shafts.

2.4 Rear Tandem Drive Axles:

2.4.1 Dual rear wheels, dual rear axle configuration.

2.4.2 (*) Capacity: 40,000 pounds minimum.

2.4.3 (*) Axle Spacing: 54 or 60 inches.

2.4.4 (*) To include *TRACTECH* NoSPIN in the rear rear differential.

2.4.5 Inter-axle differential lock-out with dash mounted warning light to show when interlock is engaged.

2.4.6 (*) Tread Width: Rear, outside duals to be minimum 88 inches.

- 2.4.7 (*) Ration providing a cruising speed of approximately 65 MPH with the maximum speed set at 65 MPH
-
-

3.0 CHASSIS:

- 3.1 (*) GVWR: 56,000 pounds minimum.
-

3.2 Frame:

- 3.2.1 Conventional frame rail configuration.
- 3.2.2 Shall not be welded. Only "L", reverse "L", or channel reinforcing is acceptable.
- 3.2.3 (*) Yield Strength: 110,000 PSI minimum.
-

- 3.2.4 (*) RBM: 2,200,000 pounds minimum.
-

- 3.2.5 A front frame extension may be required by the aerial lift manufacturer.

- 3.3 (*) Wheelbase: This dimension is dictated by the aerial lift manufacturer so as to meet weight and balance safety criteria of the aerial lift and Alaska DOT weights and measures.
-

- 3.4 (*) Cab to Axle: To be determined as per aerial lift manufacturer's requirements.
-

- 3.5 (*) Cab to end of Frame: This dimension is dictated by the aerial lift manufacturer so as to meet weight and balance safety criteria of the aerial lift and Alaska DOT weights and measures.
-

- 3.6 (*) Front Axle: 16,000 pound minimum capacity.
-

- 3.7 (*) Front Suspension: 16,000 pound minimum capacity.
-

3.8 Rear Suspension:

- 3.8.1 (*) 40,000 pound minimum capacity.
-

- 3.8.2 (*) CHALMERS 800 Series, FREIGHTLINER Airliner, HENDRICKSON HMX Series, or VOLVO T-Ride. HENDRICKSON HA or NEWAY air ride systems are acceptable.
-

- 3.9 Shock Absorbers: Heavy-duty, double action, front and rear.

- 3.10 Steering: Full hydraulic power or power assist type.

3.11 Brakes:

- 3.11.1 ABS, as required.
- 3.11.2 Full air with low pressure audible and visual warning device located in cab.
- 3.11.3 Front: 16.5x6, *DANA SPICER* Model ES-165-6 or *MERITOR* Model Cam-Master Q PLUS 16.5x6, with outboard drums.
- 3.11.4 Rear: 16.5x7, *DANA SPICER* Model ES-165-6 or *MERITOR* Model Cam-Master Q Plus, with outboard drums.
 - 3.11.4.1 Rear brakes to accept *SPICER* p/n 4515Q brake shoes.
- 3.11.5 Steel hubs on all rear axles.
- 3.11.6 Sealed against dirt and corrosive materials.
- 3.11.7 Lube fitting for positive lubrication of all moving parts.
- 3.11.8 Capability for in-field servicing.
- 3.11.9 Splash shields, heavy-duty metal, on all axles.
- 3.11.10 Air Reservoir Tanks:
 - 3.11.10.1 Heavy-duty, steel construction, minimum 1200 cubic inch each, primary and secondary.
 - 3.11.10.2 Primary air tank, fitted with quick disconnect air supply fitting, accessible from side of vehicle.
 - 3.11.10.3 All air tanks, equipped with manual drain petcocks. Petcocks or drain actuators to be accessible from side of vehicle.
 - 3.11.10.4 Installed in protected locations.
 - 3.11.10.5 Air Dryer: Air system to include a *BENDIX* AD-IP or *MIDLAND* DA33100 or *ROCKWELL-WABCO* System Saver 1200.
- 3.11.11 Brake Pedal:
 - 3.11.11.1 If floor mounted design, the hinge pin and pedal base/mounting plate located above floor grade shall be stainless steel (aluminum is not acceptable). The mounting plate shall be sealed to the floor as to not allow liquid to seep through to the treadle valve assembly below floor.
- 3.11.12 All air hoses, SAE 100R5 type "T" arctic grade (-50 degrees to +240 degrees Fahrenheit).
- 3.11.13 Emergency Brakes: *ANCHORLOCK* Life Seal or *MGM* TR-TS.

3.12 Wheels and Tires:

- 3.12.1 All wheels and tires are to be rated for the axles.
- 3.12.2 All wheels are to be hub piloted type, steel disc.
- 3.12.3 Front Tires: *CONTINENTAL* HTC1 or *GOODYEAR* G286A) 385/65R22.5, 18PR (LRJ) minimum rating, steel belted tubeless radial.
- 3.12.4 Rear Tires: *CONTINENTAL* HDL or *GOODYEAR* G182, 11.00R22.5, 16PR (LRH) minimum rating, steel belted tubeless radial.
- 3.12.5 *ACCURIDE* Wheel-Guards are to be supplied between the front wheels and the hubs, between the rear wheels and the hubs, and between the rear dual wheels.
- 3.12.6 A spare front and rear wheel, with designated tires, mounted, to be shipped loose.

- 3.13 Fuel Tank(s):
 - 3.13.1 Steel or aluminum construction, ICC approved.
 - 3.13.2 Capacity of 100 gallons total, minimum.
 - 3.13.3 Fuel lines to be 3AE 100RIA *GOODYEAR* Arctic Ortac hose or manufacturer's standard.
 - 3.13.4 If tank(s) incorporate a step to enter cab, the step shall be of expanded metal to give maximum protection to personnel entering or leaving the cab.
- 3.14 Tow Hooks:
 - 3.14.1 Two (2) each front and two (2) each rear, bolted to frame.
 - 3.14.2 Each of sufficient strength to tow fully loaded unit.
- 3.15 Mud Flaps:
 - 3.15.1 Heavy-duty, anti-sail, rubber, installed at rear of front fenders, a minimum of 12 inches above ground.

4.0 ELECTRICAL SYSTEM:

- 4.1 12 volt negative ground system.
- 4.2 Alternator: 12 volt, 160 amp, *LEECE-NEVILLE*.
- 4.3 Batteries:
 - 4.3.1 Three (3) each, maintenance free 12-volt BCI group 31, minimum.
 - 4.3.2 Each having a 160 minute reserve and minimum 625 CCA at zero degrees Fahrenheit.
 - 4.3.3 Battery box I to be provided to protect batteries from build-up of snow, ice, mud, etc.
 - 4.3.3.1 Battery box to be easily accessible utilizing rubber tie downs.
- 4.4 Master Switch(s):
 - 4.4.1 High-ampere switch or switches to cut off power source from battery to the ground (ground side) and remainder of electrical system, *COLE HERSEE* #M-284-02 or *POLLAK* #51-315.
 - 4.4.2 To be mounted on the cab floor between the rear side of the driver's seat and the door sill.
- 4.5 All standard electrical and lighting equipment to meet ICC safety standards.
- 4.6 All electrical control switches to be direct current rated.
- 4.7 Headlights to be halogen.
- 4.8 Marker lights are to be LED.
- 4.9 Interior dome light, OEM.
- 4.10 Back-Up Alarm: Electronic, self adjusting sound level, *ACORN PRODUCTS* #ID-112 AA or *PRECO* Preco-Matic #1040 or *STAR* Model Starmatic #63-000 or *TARGET TECH* #210504 or *VELVAC* #697066 or *WARN* Reactor #2100504, located on the rear of the chassis as per manufacturer's recommendations.
- 4.11 Two (2) post terminal block power source, located on the dash.
- 4.12 Strobe Lights: Four (4) each, *WHELEN* Model L31H LED.
 - 4.12.1 Mounting Locations:
 - 4.12.1.1 Two (2) each: To include brackets, extending from left and right sides of front boom cradle, mounted above roof of cab to prevent lights from flashing into cab,

shock mounted, visible from all directions.

4.12.1.2 Two (2) each: Mounted on top rear corners of line body. Visible from 180 degrees, from the rear only, to prevent lights from flashing into cab mirrors.

4.12.2 Lenses to be amber in color.

4.12.3 To be operated from a HI/LOW/OFF switch on the dashboard area.

4.13 Circuits over five (5) amps to be protected by circuit breakers.

4.13.1 All circuit breakers to be identified by name (note requirement for identification labels in "Miscellaneous" section).

4.13.2 A separate fuse for the instrument panel is acceptable.

4.14 All applicable junction boxes and light housings to be constructed of corrosion proof materials.

4.15 Wiring:

4.15.1 Unit is to include any and all optional RF (Radio Frequency) shielded wiring harnesses available, including the engine and transmission.

4.15.2 Accessory wiring to be in dedicated looms entering cab, not mixed looms. (Example: Strobe light wiring to be in one separate loom).

4.15.3 All wiring to be color coded and located for maximum protection from road splash, stone abrasion, grease, oil, fuel, and heat from engine and components.

4.15.4 Routing through structural members to be protected by grommets, and to be secured by clips at intervals to prevent rubbing or chafing due to movement.

4.15.5 All applicable junction boxes, light housings and trailer outlet connectors to be constructed of corrosion proof material.

4.15.6 All exposed chassis wiring to be protected by conduit and/or sheathing and be within frame structure wherever possible..

4.15.7 All chassis wiring to be continuous length and without splices, plug connectors or terminal blocks.

4.15.8 All wiring entrance holes in chassis, cab and utility body shall be provided with suitable grommets or bushings and anti-chafing protection.

4.15.9 All switches, wire and connectors shall be weatherproof or shielded if exposed to wheel splash or excessive moisture and/or dirt.

4.15.10 Also refer to the utility body's electrical requirements.

5.0 CAB:

5.1 Conventional extended cab configuration with 127 to 142 inches BBC (bumper to back of cab) of welded or riveted type steel and/or aluminum construction (fiberglass construction of roof, hood and fenders is acceptable).

5.2 Cold climate insulation:

5.2.1 High density insulation throughout, to protect against cold and noise (including firewall).

5.2.2 To include OEM standard cold climate insulation package with full headliner.

5.2.3 Floor covering, heavy rubber, full length, with insulated backing.

5.3 Arctic package fresh air type hot water heater(s) and defroster, to maintain cab temperature of 60 degrees at minus 50 degrees Fahrenheit.

- 5.4 Mirrors:
 - 5.4.1 Motorized (both left-side and right-side).
 - 5.4.2 To be minimum size of 90 square inches (includes main and convex).
 - 5.4.3 Mirror and brackets are to be stainless steel or anodized aluminum or powder coated steel (poly mirror housing is acceptable).
 - 5.4.4 Main mirrors are to be motorized for minimum left/right adjustment.
 - 5.4.5 A convex mirror (built-in or separate), approximately eight (8) inches in diameter (semi-rectangular is acceptable) is to be included directly below the main mirror (mounting in the main mirror's housing or directly below the main mirror's housing).
 - 5.4.6 Both the main and the convex mirrors are to be heated.
 - 5.4.7 Mirror Heat: Both, the main and the convex are to be thermostatically controlled or include a separate, easily accessed, switch with an "ON" indicator light.
- 5.5 Seating:
 - 5.5.1 Driver and passenger seats, medium height back, premium air adjust, air ride.
 - 5.5.2 No seating in rear extended cab area.
 - 5.5.3 Seats to be cloth or vinyl with cloth insert. Colors to be dark (black for cloth portion is not acceptable), color coordinated.
- 5.6 Glass: Tinted windshield.
- 5.7 Sun Visors: Dual.
- 5.8 Storage Pouch: For shipping documents, etc., to be located on the driver's door or on the back interior wall of the cab.
- 5.9 Tilt hood, for ease of engine maintenance. Hold tie-downs to be flex rubber type.
- 5.10 Stationary grill is to be provided.
- 5.11 Grab handles, for a three (3) point entry system, on each side.
- 5.12 Door locks.
- 5.13 Rust proof treatment, prior to assembly of cab interior.
- 5.14 Windshield Wipers:
 - 5.14.1 Heavy-duty, dual, electric, variable speed, with OEM intermittent wipe feature.
 - 5.14.2 Windshield washer system.
- 5.15 Air Horn(s): IF exterior mounted, to be located on top of cab and include snow shield.
- 5.16 Radio: OEM, AM/FM with weather band.
- 5.17 To include tilt steering wheel.

6.0 INSTRUMENTATION/GAUGES AND ACCESSORIES - TRUCK:

- 6.1 In addition to what has been described in the CAB section of this specification, the unit is to include a hinged or front serviceable type panel with a full complement of dash mounted instrumentation/gauges and accessories including, as a minimum:
- 6.2 Note that any and all gauges that show pressures, temperatures, etc., are to be in U.S.A. measurements such as PSI, Fahrenheit, etc.
 - 6.2.1 *HOBBS* or in the dash, engine hour meter, engine oil pressure activated.

- 6.2.2 Warning lights for low engine oil pressure and high engine coolant temperature.
- 6.2.3 Voltmeter.
- 6.2.4 Air pressure.
- 6.2.5 Engine oil pressure gauge.
- 6.2.6 Fuel gauge.
- 6.2.7 Engine coolant temperature gauge.
- 6.2.8 Tachometer.
- 6.2.9 Speedometer and odometer.
- 6.2.10 Throttle control, vernier or electronic cruise control type, to allow for engine warm-up with engine speed control up to 1400 RPM.
- 6.2.11 Stabilizer(s) down indicator light, activated when the carrier engine is running and a/the stabilizer(s) is/are not in the travel position.
 - 6.2.11.1 To include both "ON" flashing indicator light and audible "ON" alarm/buzzer.
- 6.3 All switches and controls to be properly lighted for day or night operation (a flexible cable night light type light is not acceptable).
- 6.4 All gauges to be back lighted.
- 6.5 All switches, gauges, and controls to be properly identified (note requirement for identification labels in "Miscellaneous" section).

7.0 LINE BODY:

- 7.1 It is the intent of this specification to describe a line body of heavily reinforced design, built to the specification incorporated herein.
 - 7.2 (*) Acceptable manufacturer's are; *ASTORIA, BRANDFX, FIBRE BODY, NORTHWEST BODIES*, or State approved equivalent. Provide all specifications are met.
-
- 7.3 Body may be constructed with separate molded fiberglass side modules, or of a one (1) piece fiberglass construction.
 - 7.4 Compartment tops shall be mounted with a full length and width grip-strut walkway made of aluminum. This walkway shall be capable of supporting a 250 pound person without damage occurring to the walkway or compartments.
 - 7.5 Hardware: All hardware to be stainless steel, unless otherwise specified herein.
 - 7.6 Dimensions (basic):
 - 7.6.1 Overall body length (includes tail shelve), approximately 15½ feet (186 inches).
 - 7.6.2 Overall body width, maximum 8 feet (96 inches), minimum 7½ feet (84 inches).
 - 7.6.3 Inside load bed floor (includes tail shelve), between 54 and 60 inches in width and approximately 15½ feet (186 inches) in length.
 - 7.6.4 Compartment depth, 18 inches.
 - 7.6.5 Body height, between 46 and 50 inches (does not include grip-strut walkway).
 - 7.7 Compartment Arrangement:
 - 7.7.1 Refer to attached drawing #280-1 for basic layout of street side and curbside.

- 7.7.2 If body is equipped with curb side access, access is to include handrail(s) and additional step(s) to provide a maximum 14 inch step height.
- 7.7.3 Two (2) each vertical compartments (1 on left side and 1 on the right side) are to include six (6) each heavy-duty wall hooks (2 on each wall of the compartment).
- 7.7.4 The remaining three (3) vertical compartments are to include three (3) shelves capable of being easily adjusted for height or removed.
 - 7.7.4.1 Shelving is to include lips on each side.
- 7.7.5 Two (2) horizontal compartments, one (1) on each side, are to include a center divider with an adjustable shelf on one side of the divider.
- 7.7.6 Two (2) horizontal compartments, one (1) on each side, are to include a full length shelf with removable and adjustable dividers.
- 7.7.7 Each shelf and compartment floor is to include PVC/rubber open web matting.
- 7.8 Compartment Materials and Construction:
 - 7.8.1 Compartment backs, top and partitions shall be minimum 3/16 inch thickness molded reinforced fiberglass.
 - 7.8.2 Compartment door headers reinforced suitably to provide strength around periphery of each opening.
- 7.9 Compartment Doors:
 - 7.9.1 To provide access to all portions of each respective compartment.
 - 7.9.2 Constructed of reinforced molded fiberglass.
 - 7.9.3 Shall be properly fitted and aligned.
 - 7.9.4 To provide a weather-tight, moisture and dust-proof sealed closure.
 - 7.9.5 Hinges to be heavy duty stainless steel.
 - 7.9.6 Latches to be flush mounted D-ring twist type of polished stainless steel.
 - 7.9.6.1 Non-corrosive keyed-alike cylinders (all compartments) furnished with minimum two (2) keys.
 - 7.9.7 Horizontal doors shall have limit chains or cables attached to each end of door for support in allowing door(s) to be utilized as a lightweight work area (table/bench). Chains or cables to be vinyl coated or protected as to protect against chafing.
 - 7.9.7.1 Capable of supporting a one (1) square foot 25 pound load at the center outside edge of the door, when in an open position, with a deflection of less than 3/8 (.375) inch.
 - 7.9.8 Vertical doors shall have limit chains or cables attached to the top of each door.
- 7.10 Load Bed Floor:
 - 7.10.1 Line body load bed floor shall be of one (1) piece, minimum 1/8 (0.125) inch thick diamond tread steel plate or minimum 3/16 (0.1875) inch thick diamond tread aluminum plate, with adequate supporting under structure to prevent oil canning. Aluminum is preferred.
 - 7.10.2 The load bed floor design and mounting shall be of sufficient strength to sustain a 500 pound live load for any square foot of load area without causing damage or permanent distortion.
 - 7.10.3 The tread plate shall extend a minimum six (6) inches up from the load bed floor and be secured to the compartment side walls.

7.10.4 Wheel wells in the load bed floor are not allowable.

7.11 Bulkhead:

7.11.1 The entire front outside of the line body and bulkhead shall be covered with a one (1) piece, minimum 1/8 (0.125) inch thick diamond tread plate steel or minimum 3/16 (0.1875) inch thick diamond tread plate aluminum. Aluminum is preferred.

7.11.2 The bulkhead shall be constructed to a height of not less than 27 inches above the load bed floor.

7.11.3 The bulkhead top leading edge between compartment walls shall be formed into a channel design.

7.12 Rock Guards:

7.12.1 The line body's front tread plate, minimum 1/8 (0.125) inch thick diamond tread plate steel or minimum 3/16 (0.1875) inch thick diamond tread plate aluminum (aluminum is preferred), shall be broken to provide a 1½ (1.5) inch lip on the outside of body for protection of the leading corners.

7.12.2 Rear wheel wells shall be completely lined with minimum 1/8 (0.125) inch aluminum or stainless steel plate.

7.12.2.1 Wheel well lining shall be designed to protect fiberglass body, including leading edges, against damage by flying rocks or broken snow tire chain links.

7.13 Tail Shelve:

7.13.1 This is an extension of the load bed floor.

7.13.2 The length is to extend to edge of bucket, minimum.

7.13.3 The width of the tail shelve shall be equal to the overall width of the compartments (outside to outside).

7.13.4 To include a recessed area for outriggers.

7.13.5 The tail shelve shall provide a supporting platform for the bucket support and staircase for access to the bucket.

7.13.5.1 The steps on the staircase shall include expanded galvanized metal grip-strut material for easy and safe entry/exit to/from the bucket.

7.13.5.2 Access to the staircase shall be from the rear of the tail shelve and/or the right side of the tail shelve.

7.13.5.3 Railing shall be provided on the staircase area.

7.13.6 Bucket Support:

7.13.6.1 While in the stowed/travel position, a platform support, mounted to the tail shelve, shall be included.

7.13.6.2 Support is to consist of a spring-loaded post assembly with material installed to protect bottom of platform.

7.13.7 The tail shelve shall incorporate the truck's lighting system, including tail, stop, turn, back-up, clearance, and license plate light and bracket.

7.14 Rear Step Bumper:

7.14.1 The lower rear of the tail shelve shall include a heavy duty rear step bumper.

7.14.2 Rear bumper to include expanded galvanized metal (grip strut) step.

- 7.14.3 The bulkhead area of the rear bumper, attaching the rear bumper to the tail shelf, shall be constructed of minimum 1/8 (0.125) inch thick diamond tread plate steel or minimum 3/16 (0.1875) inch thick diamond tread plate aluminum. Aluminum is preferred.
 - 7.14.3.1 To include recessed area for outrigger controls.
- 7.14.4 The height of the rear bumper should be approximately 1/2 the height of the load bed floor (from the ground), with a minimum ground clearance of 18 inches.
- 7.14.5 To include *THINLINE* 28 inch traffic cone holders, one (1) on each side of the bumper. Location shall not interfere with rear lighting.
- 7.14.6 Mud Flaps: Heavy duty, anti-sail, rubber, a minimum of 12 inches above ground.
- 7.15 Electrical System:
 - 7.15.1 Compartment Lighting:
 - 7.15.1.1 All compartments to be equipped with a light(s).
 - 7.15.1.2 Separately switched in each compartment with a single master switch (with red light "ON" indicator) in the truck cab.
 - 7.15.2 Spot Light: One (1) each *GO-LITE* Model 3067, to be located on truck cab roof, right of center.
 - 7.15.3 Work lights: Two (2) each deck mounted adjustable floodlights, halogen, situated to illuminate truck bed and shoulder of road.
 - 7.15.4 Strobe Lights: Refer to truck's electrical section.
 - 7.15.5 Complete flush mounted lighting system shall conform to Federal (FMVSS) specification #108.
 - 7.15.5.1 Back-up lights, combination stop/tail lights and side marker light/reflectors to be LED, waterproof, stainless steel or nonferrous material.
 - 7.15.5.2 Provision for mounting rear license plate shall be provided with appropriate light(s) to illuminate the license plate area.
 - 7.15.6 Complete system shall be adequately protected against corrosion.
 - 7.15.7 All wiring shall be color coded and grouped in a cable or harness and be protected by sheathing or loom where possible.
 - 7.15.8 Wiring to be located to afford protection from road splash, stone abrasion, grease, oil, fuel, or exhaust heat.
 - 7.15.8.1 Routing to avoid fuel and exhaust system.
 - 7.15.8.2 Routing through structural members to be protected by grommets.
 - 7.15.8.3 Wires to be secured by clips at intervals to prevent rubbing or chafing due to movement.
 - 7.15.8.4 Wires to avoid passing through cabinet compartments. Wires that must pass through compartments must be fully protected from being stressed, impacted abraded, or cut by loose items moving around within the compartments.

8.0 AERIAL LIFT:

- 8.1 (*) Provide basic manufacturer's brochure.

- 8.2 (*) Insulated, hydraulically powered, aerial lift with two-man personnel bucket. Acceptable

manufacturers are: *ALTEC*, *TEREX*, or *VERSA-LIFT*. Provided all specifications are met.

8.3 Height:

8.3.1 (*) To provide a minimum height of 55 foot from ground to inside bottom of bucket when the bucket is positioned a minimum of 24 foot from the centerline of rotation.

8.4 Capacity:

8.4.1 (*) The bucket capacity to be a minimum of 600 pounds throughout the range of the boom articulation.

8.4.2 (*) The total payload capacity, including bucket and winch, to be minimum 1000 pounds while the inside bottom of bucket is positioned at a height of 48 feet above ground level and at a minimum of 38 feet from the centerline of rotation.

8.5 Travel/Stored Height:

8.5.1 12 foot (144 inches), maximum.

8.6 Travel/Stored Overhang over the front of the truck is MAXIMUM three (3) feet.

8.7 Articulation:

8.7.1 Lower boom articulation to be a minimum of minus one degree to plus 101 degrees.

8.7.2 Upper boom articulation to be a minimum of zero to 210 degrees.

8.8 Rotation: Continuous to be provided.

8.9 The minimum design safety factors to meet industry standards, per ANSI 92.2.

8.10 Stabilization/Outriggers:

8.10.1 Two (2) sets of the "A" frame type are to be provided.

8.10.2 Designed so that they attach to the subbase.

8.10.3 The outrigger pads are to be of the fold-up shoe type for storage to allow more uniform engagement of the contact surface.

8.10.3.1 Auxiliary outrigger pads, four (4) each, aluminum or laminated wood, minimum 18x18 inch, to be provided. To include secured storage area (not inside line body compartments).

8.10.4 Spread of the outriggers at full penetration, maximum 158 inches from pin to pin at five (5) inches below grade.

8.10.5 The penetration of the outriggers to be ten inches minimum, each.

8.10.6 Each outrigger cylinder to be equipped with a double-acting, pilot-operated, check valve to prevent retraction or extension of the outrigger cylinder in the event of hydraulic line failure.

8.10.7 The outriggers to be controlled by operating separate valves from leveling the unit.

- 8.10.8 An outrigger-boom interlock to be furnished to prevent boom movement until all outriggers are lowered.
- 8.10.9 To include individual controls located on step bumper's bulkhead on both left and right sides to allow operator to see the outrigger being positioned.
- 8.10.10 To include an outrigger movement alarm, activated any time an outrigger is being lowered or raised.
- 8.11 Pedestal:
 - 8.11.1 The pedestal to consist of a box structure. A rotation bearing mounting plate of minimum 1 (1.0) inch thick plate stock to be welded to the top of the box structure.
 - 8.11.2 The top plate of the pedestal to ensure a flat mounting surface for the rotation bearing.
- 8.12 Turntable:
 - 8.12.1 The turntable to be steel, fixture-welded design, with a minimum one (1) inch thick bottom plate stock.
 - 8.12.2 The bottom plate of the turntable to be machined after welding to ensure a flat mounting surface for the rotation bearing.
- 8.13 Rotation:
 - 8.13.1 Continuous rotation to be powered by a hydraulic motor, close coupled to a self-locking worm gear drive. Chains and sprockets in the rotation is not acceptable.
 - 8.13.2 The gearbox is provided with an extended shaft to allow manual rotation should the need arise.
 - 8.13.3 The rotation drive assembly must provide for an eccentric ring external adjustment of the gearbox pinion gear to the main rotation bearing to minimize boom side play and ensure proper tooth contact over life of the unit.
 - 8.13.4 A shear ball-type rotation bearing is to be provided.
 - 8.13.5 A grease fitting to be provided externally on the turntable to facilitate lubrication of the rotation bearing.
- 8.14 Lower Boom:
 - 8.14.1 The lower boom is constructed of square fabricated reinforced steel sections, fixture welded, separated by a fiberglass insert.
 - 8.14.2 The fiberglass to be both bolted and chemically bonded to the steel structures providing a minimum of 24 inches clear isolation gap in the lower boom assembly.
 - 8.14.3 The inner surface of the fiberglass insert to be impregnated during manufacturing with a wax compound to provide for a dry, smooth inner surface causing moisture to bead.
 - 8.14.4 The outer surface of the fiberglass insert is to have a smooth white gelcoat finish.
 - 8.14.5 Resins used in the insert construction are to include ultraviolet ray inhibitors.
 - 8.14.6 The lower boom lifting cylinder to be equipped with internally-mounted cartridge-type counter balance holding valves built into the base of the cylinder. The boom articulation is from 0 to 125 degrees using a double acting hydraulic cylinder equipped with two integral holding valves.
 - 8.14.7 The lower boom cylinder to be manufactured in accordance with ANSI standards and ASTM 513 including supplementary specification S8.
 - 8.14.8 A stow limiter is to be provided to limit the stow force of the lower boom.

- 8.14.9 A lower boom lifting eye, including capacity chart, to be furnished. It to have a minimum lifting capacity of 1,500 pounds at 60 degrees.
- 8.15 Lower Boom Articulation:
 - 8.15.1 Powered by a double acting cylinder.
- 8.16 Lift cylinder to incorporate self-aligning spherical bearings at each end.
 - 8.16.1 Integral counterbalance load-holding valves are to be incorporated into the base of the cylinder to prevent movement of the boom in the event of hydraulic line failure.
 - 8.16.2 Both base and rod end of the cylinder to be one (1) piece design.
 - 8.16.3 Lower boom articulation to be from a minimum of minus one degree to plus ninety degrees (-1 to +90 degrees) relative to the ground.
- 8.17 Upper Boom:
 - 8.17.1 The upper boom's lower end to be constructed of a fixture welded steel box structure at the elbow end. The upper boom to be high-strength, fiberglass.
 - 8.17.2 To provide a fiberglass isolation gap of minimum 108 inches between the external and internal metal components of the upper boom in any boom configuration.
 - 8.17.3 The fiberglass boom component to be bolted and chemically bonded to the steel knuckle weldment.
 - 8.17.4 The inner surface of the fiberglass boom to be impregnated during manufacturing with a wax compound to provide a dry smooth inner surface causing moisture to bead.
 - 8.17.5 The outer surface to have a smooth white gelcoat finish.
 - 8.17.6 Resins used in the boom construction are to include ultraviolet ray inhibitors.
 - 8.17.7 The assembled unit must be tested in accordance with ANSI A92.2-1990, Category C, for stability, and dielectric tested for 46 KV and below. A copy of the certified test will be required at time of delivery.
 - 8.17.8 To be equipped with an automatic upper boom hold-down restraint for over road travel.
- 8.18 Upper Boom Articulation:
 - 8.18.1 The base end of the upper boom cylinders are to incorporate self-aligning spherical bearings. The rod end of the cylinders and the cast or fabricated walking links are to incorporate maintenance free self-lubricating bearings at the points of movement.
 - 8.18.2 The upper boom articulation is to be activated by a minimum of one (1) cylinder directly connected to the upper boom linkage.
 - 8.18.3 The upper boom cylinders are to be manufactured in accordance with ANSI standards and ASTM 513, including supplementary specification S8.
 - 8.18.4 The upper boom lift cylinders are to be equipped with internally-mounted, cartridge-type counterbalance holding valves built into the base end of the cylinder.
 - 8.18.5 The upper boom articulation is to be zero to 210 degrees to allow the bucket to reach the ground.
- 8.19 Bucket:
 - 8.19.1 Single, two (2) man capacity, enclosed fiberglass bucket.
 - 8.19.2 Size: 48x24x42 inches (length x width x height) minimum.
 - 8.19.3 Capacity: 600 pounds minimum (without options).

- 8.19.4 To have a smooth finish, interior and exterior.
 - 8.19.4.1 To include a hard cover, constructed of fiberglass or poly type with straps and hardware of stainless steel, to allow protection from the elements, for both the bucket and the bucket controls, when unit is not in use.
 - 8.19.4.2 To include fall restraint connections for two (2) persons.
- 8.19.5 To include safety harness' and lanyards, hooks both ends, with safety anchor ring.
 - 8.19.5.1 To include one (1) each Large and one (1) Extra Large.
- 8.19.6 Leveling:
 - 8.19.6.1 The bucket to be positively and automatically leveled by a cable and fiberglass insulating rod arrangement contained within the booms and designed to maintain the dielectric integrity of the upper and lower booms or the hydraulic leveling system.
 - 8.19.6.2 The design safety factor is to meet ANSI requirements.
- 8.19.7 The leveling rod and end fitting attachment to be pull tested to more than two (2) times the normal design load and permanently marked with a test number.
- 8.19.8 Bucket Tilt: The bucket shall be equipped with a hydraulic bucket tilt system to allow removal of water, debris, or an incapacitated lineman.
- 8.19.9 Bucket Rotation: The bucket shall be capable of a minimum 90 degree rotation.
- 8.19.10 Tool Tray:
 - 8.19.10.1 To include a poly snap-on snap-off tool tray that is approximately 19 inches in length x 8 inches in width x 8 inches in height.
 - 8.19.10.2 Tool tray is to include a minimum of six (6) pockets for tools.
 - 8.19.10.3 To include a separate weather resistant tethered soft cover that will withstand road speed.
- 8.19.11 Steps:
 - 8.19.11.1 To include molded fiberglass step(s) with anti-skid protection.
 - 8.19.11.2 Bucket to include combination inside/outside step(s) with approximately 5½x5½x12 (5.5x5.5x12.0) inch (height x depth x width) recessed space inside (to accept a "Bunny Boot").
- 8.20 Jib and Winch:
 - 8.20.1 (*) To include a hydraulically extended and tilted jib, rated at minimum 2,000 pounds.

 - 8.20.2 To be located at the bucket end of the upper boom.
 - 8.20.3 Jib to include a hydraulic extension up to maximum 78 inches with three 18 inch incremental pinning positions.
 - 8.20.4 Winch capacity to be minimum 2,000 pounds, full drum.
 - 8.20.5 Winch to be equipped with 80 foot of 1/2 inch diameter double-braided synthetic rope.
 - 8.20.6 Controls for jib and winch to located within easy reach of the operators in the bucket. Additionally, a control for the winch is to be located at the lower control station.
- 8.21 Hydraulics:

- 8.21.1 To be a closed-center, pressure-compensating, load-sensing type to provide hydraulic pressure and flow on demand. An open center system is acceptable.
- 8.21.2 The system to allow up to three (3) boom functions to be operated simultaneously at full function speeds.
- 8.21.3 Emergency Operating System: To include a 12 volt DC emergency operating system equipped with pump and heavy-duty electric motor operating from a separate battery system utilizing a battery isolator. The battery is to be the same size and capacity as the truck's batteries being utilized.
- 8.21.4 Front pump to be PTO driven.
- 8.21.5 Shall contain two (2) each separate filtering systems.
 - 8.21.5.1 A ten (10) micron depth type filter located in the return line with water absorbing capability. This filter will be equipped with an indicator to indicate normal operation.
 - 8.21.5.2 A ten (10) micron filter in the pressure line with pressure indicator gauge.
- 8.21.6 The return line filter shall be positioned in such a manner so that it can be replaced without undue loss of hydraulic oil.
- 8.21.7 Reservoir:
 - 8.21.7.1 Designed for adequate cooling and shall be properly baffled and supported.
 - 8.21.7.2 Located in a position where it will not be damaged or interfere with the load space of the body.
 - 8.21.7.3 Equipped with a 100 mesh suction strainer and shall have sump area, with provisions made for easy clean-out.
 - 8.21.7.4 Suction line to be equipped with a gate valve in an accessible location for easy shut-off.
 - 8.21.7.5 To include a circulating heater from truck's cooling system.
 - 8.21.7.6 To include a 110 volt AC silicone pad *BESCO* or *KAT'S* heating pad on the bottom of the tank.
 - 8.21.7.7 Low oil light and high temperature light to be separate in cab.
- 8.21.8 Hydraulic lines shall be of adequate size to ensure proper hydraulic flow without causing undue heat and/or back pressure.
- 8.21.9 Hydraulic lines shall be seamless steel tubing and extra heavy hydraulic piping with forged or machined steel fittings. Heavy duty hoses shall be *PARKER* High Pressure, 301 No-Skive or *UNISOURCE* Series 3200, SAE 100R2 type AT, high tensile steel wire reinforced synthetic rubber hose or approved equal.
- 8.21.10 All hoses are to be mounted in or on the booms such that they are not exposed to chaffing.
- 8.21.11 All hose and tube assemblies in the unit (except hoses used in installing unit to chassis) to be part number tagged or number stamped for ease of identification.
- 8.21.12 Relief valve; Adjustable, pre-set at factory to manufacturer's recommended setting.
- 8.21.13 Piston rods shall be ground and polished, chrome plated alloy steel. All cylinders shall be double acting and tested to manufacturer's standards. All cylinders shall have automatic safety check valves or load holding valves placed such that no hydraulic hose isolates the cylinders from their safety valves, and no hose failure can cause a cylinder to retract or extend without control.

- 8.21.14 All hydraulic cylinders shall be tested and certified for proper pressure/burst ratings in accordance with ASTM standards
- 8.21.15 All hydraulic cylinder shafts shall be sufficiently chromed to resist corrosion.
- 8.21.16 Shall incorporate a manual hydraulic bleed down valve at the base of unit in case of power failure.

8.22 Controls:

- 8.22.1 To be fiber optics or hydraulic.
- 8.22.2 To be hydraulic, low pressure, non-captive type, 350 PSI maximum.
- 8.22.3 All control lines and controls to/on work bucket shall be enclosed or shielded to protect against damage.
- 8.22.4 To include an engine start/stop system from the bucket controls, lower controls, and outrigger controls.
- 8.22.5 Functions shall be marked by directional arrow(s). Arrow markings to be engraved or raised design.
- 8.22.6 Upper, Bucket, Control Station:
 - 8.22.6.1 The upper controls are to be of the single-handle pistol grip type for the aerial device and, if required, a separate individual lever for the elevator.
 - 8.22.6.2 The single handle control is to activate:
 - 8.22.6.3 Lower boom "UP and Down".
 - 8.22.6.4 Upper boom "Unfold and Fold". The upper boom must not automatically raise when the lower boom is activated.
 - 8.22.6.4.1 Compensated or non-compensated are acceptable.
 - 8.22.6.5 Rotation "Right and Left".
 - 8.22.6.6 An automatic engine throttle is to be activated on pressure demand or a two (2) speed control.
 - 8.22.6.7 By operating the single handle control, an operator of the unit is able to cause multiple, simultaneous, boom movement.
 - 8.22.6.8 The single-handle control is to include a trigger that incorporates a double interlock so that when the trigger released:
 - 8.22.6.8.1 Oil pressure and flow to the control head are positively blocked.
 - 8.22.6.8.2 Oil pressure and flow to the main control valves are positively blocked.
 - 8.22.6.8.3 The interlocks are to be hydraulically activated.
 - 8.22.6.9 The single-handle control is to be located on the side of the bucket, between the bucket and the boom when in the stowed/transport position.
 - 8.22.6.10 The bucket control valves and single-handle controller are to be enclosed in a fiberglass cover accessible from the top.
 - 8.22.6.11 Spring loaded or dead-man to neutral, at which position all boom, bucket, and turret movement shall stop.
 - 8.22.7 Lower Control Station:

- 8.22.7.1 To be located on the front curbside of the body and be easily accessible from the operator's platform.
- 8.22.7.2 The lower control station is to activate:
 - 8.22.7.2.1 Lower boom "Up and Down".
 - 8.22.7.2.2 Upper boom "Unfold and Fold".
 - 8.22.7.2.3 Rotation "Right and Left".
 - 8.22.7.2.4 Winch "Up and Down".
- 8.22.7.3 The lower controls shall be capable of overriding the bucket controls in case of emergency.
- 8.22.7.4 The lower controls are to be individually adjustable from flow on boom and rotation functions.
- 8.22.8 Purge System (If hydraulic control system is utilized):
 - 8.22.8.1 The ability to purge the upper controls is to be provided at the lower control station, minimum 2-3/4 (2.75) GPM.
 - 8.22.8.2 To include continuous purge system for cold weather operation, minimum 3/4 (.75) GPM.
- 8.22.9 If hydraulic control system is utilized, color coded control lines between the upper and lower controls are to be furnished to simplify maintenance should any be required.
- 8.22.10 Fasteners: All fasteners in the aerial unit must be a minimum grade five (5).
- 8.23 Welding: All welding done to critical metal components shall be inspected and be certified to be sound and proper.
- 8.24 Wheel Chocks:
 - 8.24.1 To include four (4) each rubber wheel chocks with handles or rope to grab hold of.
 - 8.24.2 To include secured storage area (not inside line body compartments).
- 8.25 Safety warning decals for (GPU/EEI) users installed.

9.0 AIR COMPRESSOR:

- 9.1 To include an underdeck mounted, PTO tandem pump driven air compressor with remote mounted air/oil receiver sump, electric cooler and engine speed control for continuous duty application.
 - 9.2 (*) SULLAIR Model 125 UDHD, or State approved equivalent.
-
- 9.3 Single-stage, heavy duty, rotary screw, with 125 CFM air delivery at 110 PSI.
 - 9.4 To be frame Mounted.
 - 9.5 Power:
 - 9.5.1 PTO tandem pump driven.
 - 9.5.2 Plumbed with hydraulic relief.
 - 9.6 Inlet Suction Control: Combines air cylinder and back pressure regulator for 100 percent demand in lieu of output control of compressor.
 - 9.7 Positive Controls:

- 9.7.1 Automatic blowdown valve.
- 9.7.2 Minimum pressure device to assure correct receiver pressure.
- 9.7.3 Automatic protective circuit to stop the power source in case of excessive temperatures.
- 9.8 Remote Oil Cooler:
 - 9.8.1 Air cooled with an electric motor driven fan.
 - 9.8.2 Automatic temperature control for quick temperature warm-up and proper oil temperature during operation.
 - 9.8.3 Dimensions of approximately 21.75 x 19.25 x 13 inches.
- 9.9 Filters:
 - 9.9.1 Air Two (2) stage dry element type, for compressor air inlet.
 - 9.9.2 Oil: Full-flow, replaceable element, spin-on type, for compressor lubrication.
 - 9.9.3 Spin-on filter system is not acceptable on the air-oil separator.
- 9.10 Engine Speed Control:
 - 9.10.1 Uses electronic means (not air and cable) to modulate engine speed to air demand.
 - 9.10.2 To be mounted under hood (engine compartment).
 - 9.10.3 To include water separator.
- 9.11 Receiver Tank:
 - 9.11.1 Size to be approximately 12 inches in diameter x 29½ (29.5) inches in length.
 - 9.11.2 To be frame mounted.
 - 9.11.3 To include a two (2) stage air and oil separator, pressure relief valve, and 1/4 turn shut-off valve located at the tank.
- 9.12 Lines:
 - 9.12.1 To include lines to a caged for visibility and protection, but accessible for maintenance, location at the rear of the line body or tail shelf with two (2) outlets being provided (these outlets to be capped off and protected from the elements, the end user will install their own quick couplers).
 - 9.12.2 The line to both outlets will include a pressure regulator and a water separator. One (1) outlet will include an automatic inline oiler.
 - 9.12.3 All lines will be rated 150 PSI minimum.

10.0 AUXILIARY ELECTRICAL SYSTEM:

- 10.1 (*) Provide basic manufacturer's product brochure.
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- 10.2 Static DC-AC power inverter system for 120 volt AC power, VANNER Model TA60-100.4.
 - 10.2.1 12 volt DC input provided by two (2) marine/RV sized deep cycle batteries, mounted per applicable safety regulations, charged by vehicle charging system through battery isolator so chassis battery will not be discharged in use auxiliary system.
 - 10.2.2 Output, minimum 6,000 watts, continuous, at 120 volts AC.
 - 10.2.3 Surge capacity amps, AC, 80 minimum.

- 10.2.4 Frequency control shall be 60 HZ +/- 0.1 percent.
- 10.2.5 Installation of high output/low RPM alternator on engine.
- 10.2.6 Mounted in upper right (curb side) compartment of line body and wired with two (2) each, duplex, heavy duty, weatherproof, ground fault, receptacles.
- 10.2.7 www.vanner.com

11.0 MISCELLANEOUS:

- 11.1 All switches, gauges, and controls to be properly identified by engraved type identification or electronic.
- 11.2 Dymo type tape or stick on labels are not acceptable.
- 11.3 Fire Extinguisher: To include one (1) each 10 pound CO² fire extinguisher mounted inside the cab within easy reach of the operator.
- 11.4 Paint:
 - 11.4.1 White, including truck, utility body (gel-coat finish), and aerial lift.
 - 11.4.2 Tailshelf area to include non-skid, rubber based.
 - 11.4.3 Bumper, frame, wheels, battery box, tool boxes, running gear, etc., to be painted black.
- 11.5 Warranty: At bidder's Anchorage maintenance facility.
- 11.6 Publications:
 - 11.6.1 Two (2) sets of parts, service and operators manuals to be supplied. Maintenance and parts manuals are to list all major hydraulic and mechanical components by part numbers.
 - 11.6.2 SAE and JIC hydraulic schematics are required.
- 11.7 Weight & Balance and Dimensions:
 - 11.7.1 (*) To be in full compliance with Alaska DOT regulations.

- 11.8 Factory Training:
 - 11.8.1 For the aerial lift only, a factory technician(s) or qualified factory service representative(s) shall provide training covering operation and maintenance. A minimum of 16 hours training, within two (2) weeks after delivery.
 - 11.8.2 The training location will be at the State Equipment Fleet Maintenance Shop in Palmer.

12.0 INSPECTIONS:

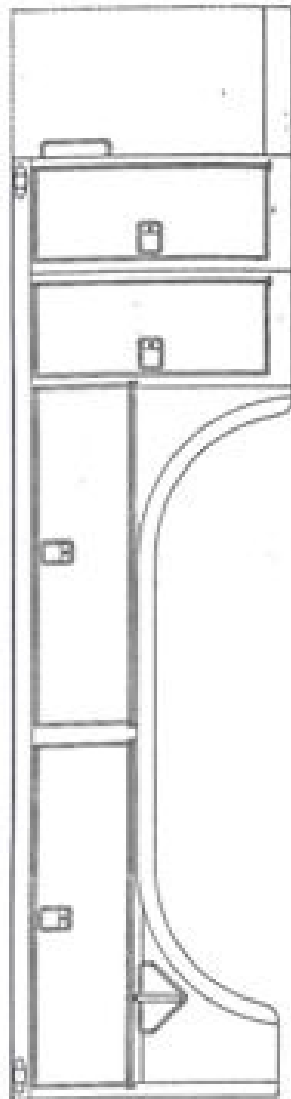
- 12.1 Prior to shipment from the manufacturer's plant, representatives of the State will inspect the **completed unit** for conformance to specifications. The completed unit, component equipment, and accessories shall be inspected and/or tested by the **manufacturer** for compliance with specifications, **PRIOR** to the arrival of the State inspection team. The State reserves the right to appoint an independent inspector at the State's expense to periodically monitor the progression of the unit during the manufacturing process.
 - 12.1.1 The successful bidder is to provide the State with a minimum 30 day notice prior to pilot inspection.
- 12.2 The Contractor shall provide full access to the State's inspector(s) or their designee(s) to the plant(s) including the plant(s) subcontractors where manufacture is taking place.
- 12.3 These inspections by the State shall be thorough and very critical, and will encompass a complete review of the specifications. Adequate time and technical personnel shall be made available to assist

the State in these inspections.

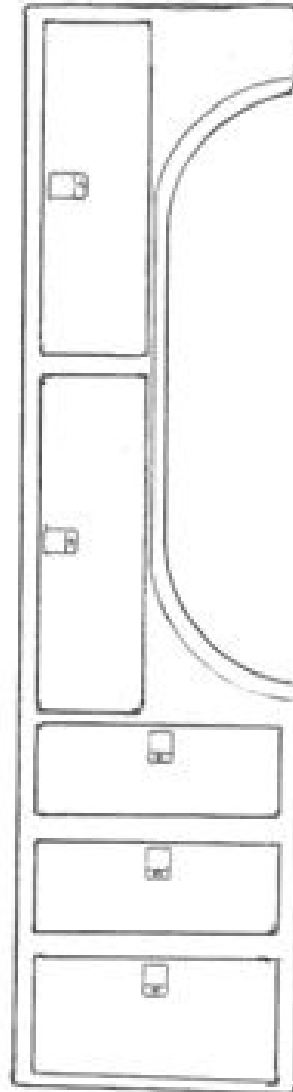
- 12.4 The bidder (responsible sales rep) shall also be in attendance.
- 12.5 Inspection Trip Costs: Bidder will supply round trip coach "Y" airfare (not supersaver), with open arrival and departure times, for two (2) inspectors to the manufacturer's plant. Both inspectors will depart from Anchorage.
- 12.5.1 Per diem for each of the two (2) inspectors shall be at a rate of \$150.00 per day (travel day + inspection day[s] + travel day). It is expected that two (2) days will be required for the inspection.
- 12.5.2 The successful vendor may assist by booking lodging reservations. Meals and lodging will be paid by the State inspectors.
- 12.5.3 The successful vendor shall arrange and furnish all ground transportation necessary to conduct the inspection. Rental vehicle shall be full size (Chevy Malibu, Ford Taurus, etc.).
- 12.5.4 While the State recognizes contractual responsibility in testing, the State reserves the exclusive right to reduce the number of inspectors when and if that action seems prudent. If the number of inspectors is reduced, the Contractor will return to the State all monies saved by that action within 30 days following the actual inspection.
- 12.6 It shall be the responsibility of the State inspector(s) to technically inspect and test the unit for compliance with the specifications.
- 12.7 It shall be the responsibility of the Contracting Authority Representative to observe the inspection and test to assure compliance with the published terms, conditions, and specifications of the bid, and to mediate any disputes which may arise between the manufacturer and the Department of Transportation's representatives.
- 12.8 FINAL ACCEPTANCE REMINDER: Final acceptance is at final destination; however, all major tests will be conducted at the manufacturer's place of business unless the State has reason to believe alterations or damages have taken place which may have changed the performance or design characteristics of the unit since the time of inspection at the manufacturer's location.

DRAWINGS FOLLOWING THIS PAGE

LINE BODY DRAWING



CURB SIDE



STREET SIDE

DRAWING #280-1
4/14 (GT)

BID PRICE SCHEDULE

BID SCHEDULE INSTRUCTIONS:

All bids must include both unit pricing and extensions and be otherwise complete in the format requested.

DELIVERY: Indicate, in the space(s) provided, the time required to make delivery after the receipt of an order (ARO). Failure to make an entry in the space(s) provided will be construed as an offer to deliver within "Required Delivery" NUMBER of calendar days ARO. Bids which specify deliveries in excess of "Required Delivery" NUMBER of calendar days ARO will be considered non-responsive and the bid(s) will be rejected.

The materials, equipment or services bid will conform to and meet the requirements of the Contract Bid Documents and are hereby incorporated into this document:

Complete the attached bid price sheets and return with other bid documents as required in Section I – Standard Terms and Conditions, paragraph 39.

BID SCHEDULE

Item #	Unit	Description	Total Amount
1	1 ea	56,000 GVWR 6 x 4 Truck With Mounted Overcenter Aerial Lift As per Specification contained herein.	\$ _____
		Year, Make & Model Offered: _____	

Warranty as per Section III – Special Terms and Conditions.

Final Destination:

State of Alaska, DOT, SEF Maintenance
4801 Boniface Parkway
Anchorage, Alaska 99508

F.O.B. Point Clarification: The F.O.B. point for bid evaluation purposes is Dockside Seattle/Tacoma area. However, the bidder is responsible for shipping the unit to the final assigned destination in Anchorage. The cost of shipping and delivery for orders beyond the limits of Seattle/Tacoma dock will be handled as follows. The contractor will prepay the shipping and delivery charges to the final Anchorage destination. The actual cost will be invoiced as a separate line item on the invoice for full reimbursement by the State. Shipping arrangements will always be in the best interest of the State and any extraordinary costs or circumstances pre-approved by the Contracting Officer prior to shipment.

Required Delivery: Maximum **270 days** After receipt of order (ARO).

Offered Delivered Time: _____ Days ARO.

Publications: One (1) set, per Section I, paragraph 7.0.

Weight Scale ticket is to be provided.

END OF PRICE SCHEDULE

END OF BID PACKAGE

